Periodic Review Report

Revised September 8, 2026

Submitted for:

Former CJ's Service Center Property
5801 Amboy Road
Staten Island, New York 10309
BCP Site No. C243041

Prepared for:

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Submitted to:

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1 INTRODUCTION

This document is required as an element of the remedial program at 5801 Amboy Road, Staten Island, New York (the "Site") under the New York State Department of Environmental Conservation (NYSDEC Brownfield Cleanup Program (BCP). The Site was remediated in accordance with Brownfield Cleanup Agreement (BCA) Index # C243041-03-15, Site Number C243041, between NYSDEC and Shore to Shore Foster LLC (Volunteer) which was executed on April 9, 2015. This Periodic Review Report (PRR) documents post-remediation activities performed from April 18, 2025, to April 18, 2026, at the Site. The BCP Site is known as Former CJ's Service Center Property.

The Site consists of the following: a retail coffee shop with drive-through, paved parking lot, concrete walkways/sidewalks and limited landscaped areas. The NYSDEC and NYS Department of Health (DOH) determined this Site did not pose a significant threat to human health and the environment prior to remediation.

A remedial program was implemented between 2016 and 2020 before entering the Site Management phase of the project. The Site Management Plan (SMP), dated December 2020 and prepared by Roux Environmental Engineering and Geology, D.P.C. (Roux), was approved by NYSDEC on December 10, 2020, and the Certificate of Completion (COC) for the Site was received on December 18, 2020. The property was remediated to meet the NYSDEC title 6 of the Official Compilation of New York Codes, Rules, and Regulations (6 NYCRR) Part 375 Restricted Residential Use Soil Cleanup Objectives (RRSCOs).

The Site Management activities, reporting, and Institutional Control (IC)/ Engineering Control (EC) certifications are scheduled on a certification period basis. This certification is based on the submission of a PRR, submitted to the NYSDEC every year beginning sixteen months after the COC was issued and once per year thereafter. These PRRs will identify and assess all of the IC/ECs required by the remedy for the Site, any environmental monitoring data and/or information generated during the reporting period, and a complete Site evaluation which discusses the overall performance and effectiveness of the completed remedy.

2 SITE OVERVIEW

2.1 SITE DESCRIPTION AND HISTORY

The Site is located in Prince's Bay, Staten Island, New York and is identified as Section 28, Block 6896 and Lot 53 (formerly Lots 52 and 53 that were merged) on the New York City Tax Map. The Site is situated on an approximately 0.3756-acre area bounded by a residence to the north, Amboy Road and residential/commercial buildings to the south, Foster Road to the east, and by the Freshwater Wetland (AR-37-Scudder-Amboy), Odell Place, and residential properties to the west. The Site consists of the following: a retail coffee shop with drive-through, paved parking lot, concrete walkways/sidewalks and limited landscaping areas. The Site was formerly operated as a gasoline/service station with a service building, underground storage tanks (USTs) and gasoline dispensers, which were demolished/removed in 2015. The Site is zoned residential. However, the Volunteer received a variance from the New York City Board of Standards and Appeals in 2017 to allow commercial use as a retail coffee shop, which is consistent with previous commercial use as a retail gasoline and service station for approximately 86 years from 1928 to August 2014, when the Volunteer purchased the property. The location of the Site is referenced in **Figure 1**: Site Location Map.

2.2 SUMMARY OF REMEDIAL ACTION

The Remedial Action for the Site was completed in several phases, including an initial Interim Remedial Measure (IRM) in 2015/2016, along with additional Remedial Actions performed in accordance with the Remedial Action Work Plan (RAWP) between 2017 and 2020, as described in the December 2020 Final Engineering Report (FER), prepared by Roux, and below.

Following the BCP Remedial Investigation (RI), and NYSDEC approval of the Remedial Investigation Report (RIR) and RAWP, Volunteer implemented the Remedial Action between 2015 and 2020. The Volunteer fully implemented and completed the approved remedial program. All remedial work was done with oversight, understanding, and direction from NYSDEC.

1. <u>Remedial Design</u>

   A remedial design program was implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques were implemented to the extent feasible in the design, implementation, and Site management of the remedy as per DER-31. The major green remediation components are as follows:

- Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
- Reducing direct and indirect greenhouse gases and other emissions;
- Increasing energy efficiency and minimizing use of non-renewable energy;
- Conserving and efficiently managing resources and materials;
- Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;
- Maximizing habitat value and creating habitat when possible;
- Fostering green and healthy communities and working landscapes which balance ecological, economic and social goals; and
- Integrating the remedy with the end use where possible and encouraging green and sustainable re-development.

2. Groundwater Containment System

The glacial till present at the Site has a low permeability which limits the effectiveness of any in situ groundwater treatment. As a result, containment of remaining groundwater contamination was required to prevent it from migrating off-Site. This was accomplished by the installation of a sheet pile containment wall that isolates/contains the groundwater contamination remaining after the soil removal IRM. Perimeter sheet piling was installed around the on-Site petroleum source area (area of soil removal IRM) and included properly sealed joints to make the sheet pile joints watertight. The sheet piles were driven approximately 25 feet below current grade (lowest historic depth to water on Site was 10.41 feet below ground surface). The top of the sheet piling was left at current grade, approximately one foot below proposed final grade. As-built details of the sealed sheet pile containment system are included in **Plate 1** and **Plate 2**.

3. Cover System

A Site Cover was required to allow for Restricted Residential (or less restrictive uses such as commercial) use of the Site. The cover consists either of the structures such as buildings, pavement, sidewalks comprising the Site development or a soil cover in areas where the upper two feet of exposed surface soil exceeded the applicable Soil Cleanup Objectives (SCOs). Where the soil cover was required, it was a minimum of two feet of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the Site, met the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d). As-built details of the Site Cover System are included in **Plate 1**.

4. Vapor Mitigation

   The on-Site building has an SSDS, to mitigate the migration of vapors into the building from soil and/or groundwater. Any future buildings will be required to have a similar mitigation system. As-built details of the SSDS are included in **Plate 2**.

5. Institutional Control

   Imposition of an institutional control in the form of an environmental easement (dated June 23, 2016 and recorded on July 22, 2016 with the Office of the Richmond County Clerk), for the controlled property which:

   - requires the remedial party or Site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
   - allows the use and development of the controlled property for Restricted Residential use (or less restrictive uses such as commercial) as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
   - restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the New York City Department of Health (NYCDOH); and
   - requires compliance with the Department approved Site Management Plan.

6. Site Management Plan

   A SMP, which includes the following:

   - Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the Site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective.
     - Institutional Controls: The Environmental Easement discussed in Paragraph 5 above.
     - Engineering Controls: The sealed sheet pile containment wall around the petroleum source area of concern (AOC) discussed in paragraph 2 above, the cover system discussed in Paragraph 3 above and the sub-slab depressurization system discussed in Paragraph 4 above.

   This IC and EC plan includes, but may not be limited to:

   - an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
   - descriptions of the provisions of the environmental easement including any land use and groundwater use restrictions;

- a provision for future containment or treatment of residual groundwater contamination if remedial element 2 is not effective in preventing off-Site migration of groundwater contamination;
- provisions for the management and inspection of the identified engineering controls;
- maintaining Site access controls and Department notification; and
- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

Monitoring plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:

- monitoring of groundwater and soil vapor to assess the performance and effectiveness of the remedy; and
- a schedule of monitoring and frequency of submittals to the Department.

An Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, inspection, and reporting of any mechanical or physical components of the active vapor mitigation system(s).

The plan includes:

- procedures for operating and maintaining the system(s); and
- compliance inspection of the system(s) to ensure proper O&M as well as providing the data for any necessary reporting.

Remedial activities outlined above were completed in four stages of implementation:

- UST IRM between 2015 and 2016;
- sealed sheet pile containment wall installation in 2016 around the petroleum source AOC;
- additional UST removal in 2018; and
- site Cover System installation, vapor barrier installation and SSDS installation in 2019/2020.

The 2015 UST IRM consisted of waste characterization, soil disposal, UST removal and backfill operations, and community air monitoring program (CAMP) implementation. The sealed sheet pile containment wall around the petroleum source AOC was installed to 25 feet below land surface (ft bls) to contain an area with known petroleum contamination in 2016. In 2018, previously undetected USTs were cleaned and removed from the Site. The Site Cover System, vapor barrier and SSDS installation was completed between 2019 and 2020. Further details of all remedial activities completed are included in the FER prepared by Roux.

At NYSDEC's request, groundwater samples (volatile organic compounds [VOCs] only) were collected in May 2017 from off-Site wells MW 19 and MW 20, on a one-time basis after installation to obtain baseline VOC concentrations. The results were submitted to NYSDEC in June 2017 and are included in the FER.

In addition, as required by NYSDEC, the two remaining on-Site wells were sampled for emerging contaminants in July 2019. The results were submitted to NYSDEC in January 2020 and are included in the FER.

2.3 REMAINING CONTAMINATION

The following sections provide a summary of the remaining contamination at the Site.

2.3.1 Soil

As described in the SMP, soils exceeding the Part 375 Unrestricted and Restricted Residential SCOs remain in the vicinity of the former pump island and piping alley, as indicated by the "petroleum source area" shown on Figure 2. Limited metals and other polycyclic aromatic hydrocarbons (PAHs) commonly associated with historic fill were detected in various locations across the Site exceeding Unrestricted and Restricted Residential SCOs and are not attributed to a specific source area. There were limited detections of pesticides and polychlorinated biphenyls (PCBs), some of which exceeded the Unrestricted SCOs, but none of which exceeded the Restricted Residential SCOs. Herbicides were not detected in any of the soil samples collected during the RI or IRM.

Exposure to remaining contamination at the Site is prevented by an engineered, Site Cover System over the Site. This Site Cover System is comprised of asphalt covered parking areas, concrete covered sidewalks/walkways, concrete building slab and limited landscaped areas (which include a minimum of two feet of cover over existing Site soil). The Site Cover System above the petroleum source AOC is comprised of asphalt or concrete in order to minimize infiltration through the impacted soils in the sealed sheet pile containment wall. Any fill material brought to the Site met the requirements for the identified Site use as set forth in 6 NYCRR Part 375-6.7(d). Utility lines associated with the redevelopment are not located within the petroleum source area. Utility infrastructure is located in the surrounding areas, where significantly less impacted soil was identified. Impacts in these areas include limited metals and PAHs commonly associated with historic fill.

2.3.2 Groundwater

As described in the SMP, groundwater sample results indicated detections of several VOCs and semi-volatile organic compounds (SVOCs) in exceedance of the Ambient Water Quality Standards and Guidance Values (AWQSGVs). All of the compounds detected are associated with petroleum [primarily benzene, toluene, ethylbenzene, xylenes (BTEX)] and were primarily detected in and downgradient of the petroleum source area. Groundwater and soil samples collected around the former USTs indicated that the USTs were not a source area. No chlorinated compounds were detected in groundwater samples. Various naturally occurring metals were detected in all groundwater samples. A trace amount of the pesticide 4,4'-DDT was detected in a single groundwater sample well below the AWQSGV. No herbicides or PCBs were detected in groundwater.

2.3.3 Soil Vapor

As described in the SMP, soil vapor sample results from samples collected during the RI indicated detections of VOCs (primarily petroleum-related) in soil vapor from various locations across the Site. In total, 27 compounds were detected in the eight soil vapor samples. Total VOC concentrations ranged from 4,527,780 ug/m3 to 149 ug/m^3. The majority of the elevated detections found in the soil vapor samples were of petroleum-related VOCs and acetone. Acetone may be present due to naturally occurring biodegradation. The most significant detections are located within the petroleum source area.

It is difficult to determine if the chlorinated VOC (CVOC) compounds specified in the NYSDOH Guidance document Matrix tables (1,1,1-trichloroethane; cis-1,2-dichloroethene; carbon tetrachloride; trichloroethene; tetrachloroethene; and vinyl chloride) were present in the soil vapor samples, due to elevated laboratory detection limits. However, these compounds were not detected in soil or groundwater samples collected during the RI and IRM. Since the Site was redeveloped with a slab-on-grade single story commercial building, an active SSDS was installed. The active SSDS includes a network of perforated PVC pipes creating a vacuum influence beneath the Site building slab, which are connected to solid PVC piping and a 1.5 horsepower vacuum blower. The discharge from the system is directed through a discharge stack set at 10 feet above ground level. Effluent treatment is not required. In addition to the SSDS, a vapor barrier was installed below the building to mitigate the potential for soil vapor intrusion and the portion of the foundation slab overlying the containment wall was thickened to two feet.

2.4 INSTITUTIONAL AND ENGINEERING CONTROLS

Since residual contamination remains beneath the Site, ICs/ECs have been incorporated into the Site remedy as part of the NYSDEC-approved SMP, to provide proper management of residual contamination in the future to ensure protection of public health and the environment.

The Site has ECs consisting of:

- Site Cover System;
- Sealed sheet pile containment wall around the petroleum source area; and
- SSDS.

The goal of the Site Cover System is to prevent exposure to remaining contamination in soil/fill at the Site. The goal of the sealed sheet pile containment wall is to isolate and contain petroleum impacted soil, groundwater and limited free-product and prevent off-Site migration. The goal of the SSDS is to mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at the Site. The Site Cover System and sealed sheet pile containment wall are in place and are effective at meeting their objectives. As discussed in *Section 5.2*, the SSDS ran continuously during the reporting period based on runtime meter readings. The SSDS is effective at inducing vacuum beneath the entire building and mitigating the potential for soil vapor intrusion. A Site-specific Environmental Easement was recorded with the Richmond County Clerk on July 21, 2016, that provides an enforceable means to manage the remaining contamination at the Site until the Environmental Easement is extinguished in accordance with NYS Environmental Conservation Law (ECL) Article 71, Title 36. The Environmental Easement introduces a series of ICs to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination; and (3) limit the use to restricted residential, commercial, or industrial uses as defined by Part 375-1.8(g). Adherence to these ICs on the site is required by the Environmental Easement and are being implemented under the SMP.

3 IC/EC PLAN COMPLIANCE REPORT

Since remaining contaminated soil, groundwater, and soil vapor exists beneath the Site, ICs and ECs are required to protect human health and the environment. This section details the purpose and elements of the IC/EC Plan of the SMP including the inspection, monitoring, and reporting requirements, IC/ECs, whether the IC/EC requirements were met, and regulatory notification and certification requirements.

3.1 GENERAL

The IC/EC Plan provides:

- A description of all IC/ECs on the Site;
- The basic implementation and intended role of each IC/EC;
- A description of the key components of the ICs set forth in the Environmental Easement;
- A description of the controls to be evaluated during each required inspection and periodic review;
- A description of plans and procedures to be followed for implementation of IC/ECs, such as the implementation of the Excavation Work Plan (EWP; included in the SMP) for the proper handling of remaining contamination that may be disturbed during maintenance or redevelopment work on the Site; and
- Any other provisions necessary to identify or establish methods for implementing the IC/ECs required by the Site remedy, as determined by the NYSDEC.

The ECs required by the SMP include:

- Site Cover System;
- Sealed sheet pile containment wall around the petroleum source area; and
- SSDS.

The ICs presented in the SMP consist of the following:

- The property may be used for: Restricted Residential; and less restrictive uses, such as Commercial use.
- All ECs must be operated and maintained as specified in the SMP.
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP.

- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP.
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP.
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP.
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on the survey included in the Environmental Easement in of the SMP, and any potential impacts that are identified must be monitored or mitigated.
- Vegetable gardens and farming on the Site are prohibited, except in raised planters.

3.2 IC/EC Plan Notification Requirements

Notifications are required to be submitted by the property owner to the NYSDEC, as needed, in accordance with NYSDEC's DER-10 Technical Guidance for Site Investigation and Remediation (DER-10) for the following reasons:

- 60-day advance notice of any proposed changes in Site use that are required under the terms of the BCA, Part 375, and/or ECL.
- 7-day advance notice of any field activity associated with the remedial program.
- 15-day advance notice of any proposed ground-intrusive activity pursuant to the EWP.
- Notice within 48-hours of any damage or defect to the foundation, structures or EC that reduces or has the potential to reduce the effectiveness of an EC, and likewise, any action to be taken to mitigate the damage or defect.
- Verbal notice by noon of the following day of any emergency, such as a fire; flood; or earthquake that reduces or has the potential to reduce the effectiveness of ECs in place at the Site, with written confirmation within seven (7) days that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.
- Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action submitted to the NYSDEC within 45 days describing and documenting actions taken to restore the effectiveness of the ECs.

Any change in the ownership of the Site or the responsibility for implementing the SMP will include the following notifications:

- At least 60 days prior to the change, the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser/Remedial Party has been provided with a copy of the BCA, and all approved work plans and reports, including the SMP.
- Within 15 days after the transfer of all or part of the Site, the new owner's name, contact representative, and contact information will be confirmed in writing to the NYSDEC.

3.2.1 Notifications

No notifications were required during the reporting period. In the event that the SSDS is not operating for more than two consecutive days, the NYSDEC will be notified within the reporting period.

3.3 INSPECTIONS

Inspections of all remedial components installed at the Site are to be conducted at frequencies specified in the SMP. A comprehensive Site-wide inspection will be conducted and documented according to the SMP schedule. The inspections will determine and document the following:

- Whether ECs continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the Environmental Easement;
- Achievement of remedial performance criteria;
- If Site records are complete and up to date; and
- Reporting requirements outlined in Section 7 of the SMP.

Inspections will also be performed in the event of an emergency. If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs that reduces or has the potential to reduce the effectiveness of ECs in place at the Site, verbal notice to the NYSDEC must be given by noon of the following day. In addition, an inspection of the Site will be conducted within five (5) days of the event to verify the effectiveness of the IC/ECs implemented at the Site by a qualified environmental professional (QEP), as determined by the NYSDEC. Written confirmation must be provided to the NYSDEC within seven (7) days of the event that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.

Inspections were conducted at the frequency specified in the schedules provided in the following Monitoring Plan and O&M Plan Reporting sections of this PRR.

3.4 IC/EC PLAN CERTIFICATION

The following is the certification language required by the SMP:

- The inspection of the Site to confirm the effectiveness of the ICs/ECs required by the remedial program was performed under my direction;
- The ICs/ECs employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any SMP for this control;
- Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- Use of the Site is compliant with the environmental easement;
- The EC systems are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program and generally accepted engineering practices; and
- The information presented in this report is accurate and complete.

4 MONITORING AND SAMPLING PLAN COMPLIANCE REPORT

The various subsections below describe monitoring and sampling required as part of the remedy and also include an evaluation of the remedy performance, effectiveness, and protectiveness.

4.1 GENERAL

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the Site, the Site Cover System, and all affected Site media identified below. Components of the Monitoring Plan are:

- Sampling and analysis of all appropriate media (e.g., groundwater);
- Assessing compliance with applicable NYSDEC standards, criteria and guidance (SCGs), particularly groundwater standards; and
- Evaluating Site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment.

Monitoring the performance of the remedy will be conducted for the periods specified for each matrix listed in the table below and are explained in further detail in the following sections.

Monitoring Program	Frequency	Matrix	Analysis
Site Cover System and Site-Wide Inspection	Annually. First inspection no more than 16 months after issuance of the COC.	Soil	Visual inspection of all cover system components
Groundwater	Semi-Annually for the first two years and annually thereafter.	Groundwater	VOCs (USEPA Method 8260) for NYSDEC Target Compound List compounds
Dye Testing for Containment Wall	Semi-Annually for the first two years and annually thereafter.	Groundwater	Visual inspection of bailed groundwater from onsite and offsite monitoring wells
SSDS Effluent	At system startup to determine if vapor treatment is necessary. Semi-annually thereafter if vapor treatment is installed in order to evaluate the need for carbon changeout and determine if vapor treatment is no longer needed. Ongoing sampling not required since vapor treatment is not installed.	Soil Vapor	VOCs by EPA TO-15
SSDS Detailed Operation Inspection (see Section 4.3)	Quarterly	Soil Vapor	Visual Inspection of System Components, Vacuum, Temperature, and Condensate
SSDS Knockout Tank Inspection/Draining	As needed	N/A	Visual Inspection and draining of the knockout tank
SSDS System Status	Remote alarm tied into the SSDS and triggered when SSDS is shut down.	Soil Vapor	Inspection of alarm to determine operation status

The NYSDEC will be alerted if the SSDS is not operating for more than two consecutive days.

4.2 SITE-WIDE INSPECTION

Site-wide inspections are to be performed once per year. Modification to the frequency or duration of the inspections will require approval from the NYSDEC. Site-wide inspections will also be performed after all severe weather conditions that may affect ECs or monitoring devices. During these inspections, a Site Inspection Checklist will be completed as provided in the SMP. The Checklist will compile sufficient information to assess the following:

- Compliance with all ICs, including Site usage;
- An evaluation of the condition and continued effectiveness of all ECs;
- General Site conditions at the time of the inspection;
- The Site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection; and
- Confirm that Site records are up to date.

On April 8, 2026, IEEG performed a Site-wide inspection to meet the requirements for this reporting period. This inspection determined that all Site Cover System elements described herein were observed to be performing as designed during the reporting period and are protective of human health and the environment. The completed Annual Site Inspection Checklist is provided in **Appendix B** and photographs taken during the Site-wide inspection are provided in the Annual Inspection Photograph Log included in **Appendix C**.

During the annual sitewide inspection conducted on April 8, 2026, vapor monitoring point MP-2 was observed to no longer be installed. According to the tenant management (Starbucks), MP-2 had been removed during interior building renovations completed prior to the annual inspection. The client was informed of the situation, and on April 8, 2026, the client contacted Starbucks management to discuss the removal of MP-2 and the circumstances surrounding its absence.

On August 12, 2026, a Starbucks subcontractor removed the flooring at the former MP-2 location to facilitate an inspection of the monitoring point.

Subsequently, on August 14, 2026, an IEEG technician mobilized to the site to determine whether MP-2 remained in place and was viable for future sampling and monitoring activities. During the inspection, it was observed that MP-2 had been removed in its entirety and was no longer present at the location.

A proposal for reinstallation of MP-2 will be prepared and submitted to the client for review and approval. The NYSDEC will also be notified of the condition of MP-2 and the proposed corrective action to reinstall the vapor monitoring point.

4.3 REMEDIAL SYSTEM MONITORING

Monitoring of the SSDS will be performed on a routine basis, as identified in the table below. Modification to the frequency or sampling requirements will require approval from the NYSDEC. Roux recommended no further sampling of the SSDS effluent and indoor air, as outlined in the 2022 PRR, which was approved by the NYSDEC on July 21, 2022. However, in a comment letter dated July 27, 2023, the NYSDEC requested that a sampling round be conducted during the 2023-2024 heating season consisting of 1) Indoor air sampling at MP-1 and MP-2, 2) one outdoor ambient sample, and 3) one SSDS effluent sample. As of early 2025, Indoor air sampling conducted as part of ongoing system performance monitoring demonstrated that the remedial action objectives have been met. However, in accordance with Comment No. 1 of the NYSDEC's June 26, 2025 letter regarding the original 2024-2025 PRR submission, additional sampling during the 2025-2026 heating season was required to further evaluate subsurface and indoor air conditions in support of an SSDS shutdown determination, as described in a SSDS Shutdown Work Plan dated November 7, 2025. A summary of the requested sampling event is included in *Section 5*. A visual inspection of the complete system will be conducted during each monitoring event. Unscheduled inspections may take place when a suspected failure of the SSDS has been reported or an emergency occurs that is deemed likely to affect the operation of the system. If any equipment readings are not within their specified operation range, any equipment is observed to be malfunctioning or the system is not performing within specifications, maintenance and repair will be conducted, as per the O&M Plan discussed in following sections. SSDS components to be monitored include, but are not limited to, the components included in the table below.

SMP Remedial System Monitoring Requirements and Schedule

Remedial System Component	Monitoring Parameter	Operating Range	Monitoring Schedule
SSDS	Pressure readings at the blower inlet (vacuum side)	-5 to -50 in. w.c.	Quarterly
	Pressure readings at the blower outlet (pressure side)	10 to 30 in. w.c.	Quarterly
	Pressure readings at the soil vapor monitoring points	≤-0.004 in. w.c.	Quarterly
	Visual inspections of the SSDS mechanical and above grade piping components	N/A	Quarterly
	SSDS Effluent PID Readings	N/A	Quarterly
	Knockout Tank	Check/Drain Tank	Monthly

The SSDS monitoring was performed in June 2025, September 2025, November 2025, and February 2026 by IEEG. A summary of the monitoring performed during the reporting period is included in *Section 5*. The Sensaphone remote monitoring system on the SSDS continues to operate and the Volunteer is notified of any alarm conditions. It is worth noting that In February 2026, the system's "High Level" alarm activated a few times; therefore, the volunteer was instructed to drain the moisture separator and reset the system, which

temporarily resolved the issue. However, several days later, the volunteer communicated that the condition had reoccurred and IEEG conducted a site inspection and identified a cracked section of the above ground PVC piping. Based on the location and observed condition of the pipe, the damage may have resulted from heavy snow accumulation or snow being pushed against the piping during plowing operations; however, the exact cause could not be determined.

On February 19, 2026, IEEG mobilized to the site and repaired the damaged section of above ground piping and reset the system. Following the repair, the SSDS appeared to be operating as designed, with normal airflow observed.

Approximately two weeks later, the volunteer communicated to IEEG that the "High Level" alarm had activated again, resulting in system shutdown. IEEG returned to the site on March 6, 2026, and observed that silty liquid had accumulated in the Moisture Separator. Due to the presence of sediment, IEEG excavated a small area around the exposed PVC pipe, and observed that the below-grade section of piping, approximately 2.5 ft below grade surface (bgs) was disconnected from the horizontal below-grade piping as a result of an additional crack which allowed soil and silty water to slowly enter the subgrade piping.

IEEG returned to the site on March 17, 2026, to evacuate accumulated sediment from the piping, and repair the damaged below-grade pipe section. During this site visit, the moisture separator was also cleaned and accumulated sediment was removed to ensure proper operation of system components. Additionally, the air filter was replaced. Following these maintenance activities, the system was restarted and appeared to be operating as designed. A detailed email addressing these incidents was sent to the NYSDEC and the Volunteer has been doing daily inspections and routine maintenance of the SSDS to make sure any other incident is addressed immediately and actions to repair or rectify the issue are taken accordingly.

4.4 POST-REMEDIATION GROUNDWATER MONITORING AND SAMPLING AND DYE TESTING

The SMP required that samples shall be collected from the two on-Site (MW-6 and MW-11R) and two off-Site (MW-19 and MW-20) monitoring wells on a routine basis. Additionally, to monitor the effectiveness of the sealed sheet pile containment wall around the petroleum source AOC, dye testing will be performed periodically following installation. Biodegradable dye was introduced into interior wells MW-6 and MW-11R in October 2020. Semi-annually for the first two years and annually thereafter, or until such time as NYSDEC determines such monitoring may be reduced or terminated, the interior wells (MW-6 and MW-11R) will be monitored by removing a sample of water using a clear bailer to confirm that the dye is still present. If dye is no longer present, additional dye will be introduced into the interior wells. Concurrently with the monitoring

of the interior wells, the exterior monitoring wells (MW-19 and MW-20) will be monitored by removing a sample of water using a clear bailer to confirm that dye is not present.

Groundwater sampling/dye testing locations, required analytical parameters, and sampling schedule are provided in the table below. Modification to the frequency or sampling requirements will require approval from the NYSDEC.

SMP Post-Remediation Sampling Requirements and Schedule

Sampling Location	Analytical Parameters	Schedule
MW-6, MW-11R, MW-19, MW20	Visual Observation of Biodegradable Dye and Groundwater Sampling for VOCs	Semi-annually for two years and annually thereafter. If, after ten years of monitoring, no dye is detected and VOC concentrations in groundwater are non-detect or reach asymptotic levels in the on-Site and off-Site monitoring wells, the Volunteer will present the results to NYSDEC and request to discontinue monitoring.

Groundwater Sampling Activities

Table 1 shows the results of historic groundwater samples collected in September 2015 during Roux's RI from MW-6 and MW-11R (pre-remediation), baseline sampling in May 2017 for MW-19 and MW-20, and all post-remediation sampling events to date. The fourth quarter 2022 sampling round concluded the semiannual sampling phase. Sampling will be completed annually going forward. **Plate 3** presents the sample results over time and includes only those parameters with at least one exceedance of AWQSGVs contained in a respective well. Groundwater analytical laboratory reports and Data Usability Summary Reports (DUSRs) prepared by a party independent from the laboratory performing analysis for all samples are included in **Appendix D.**

VOC Trends in On-Site Monitoring Wells

In on-Site groundwater monitoring well MW-6, concentrations of petroleum-related VOCs were significantly lower in November 2025, as compared to November 2022 and previous years. The number of parameters exceeding AWQSGVs has also continued to decrease since 2017.

In on-Site groundwater monitoring well MW-11R, concentrations are generally decreasing or stable since 2017, with a few constituents experiencing more variability than others. Though the reason for variability in concentrations is not known, MW-11R is closer to the former pump islands, which were identified as the likely sources of the impacts present on-Site. As such, it is not unexpected that concentrations are higher at MW-11R than MW-6.

VOC Trends in Off-Site Monitoring Wells

In off-Site groundwater monitoring wells MW-19 (paired with on-Site well MW-6), no VOCs were detected in November 2025.

In off-Site groundwater monitoring well MW-20 (paired with on-Site well MW-11R), no VOCs were detected during the November 2025 groundwater sampling event.

Dye Testing

Dye Testing – November 24, 2025

On November 24, 2025, groundwater was bailed prior to groundwater sampling from all four monitoring wells using dedicated bailers and was poured into dedicated clear glass jars before and after the introduction of non-toxic dye. Photographs were taken to assess the presence or absence of dye and are included as an attachment in **Appendix D.** Dye was visible in MW-6 and MW-11R (on-Site wells), but in MW-19 and MW-20 outside the containment. Following the groundwater sampling activities, additional dye was added inside the containment. The dye was clearly present in the on-Site wells after the dye was introduced and was clearly not present in the off-Site wells.

Dye was not observed in the off-Site monitoring wells during the post-remediation period. The dye testing completed during the reporting period demonstrates that the groundwater containment system is effective at controlling off-Site migration of groundwater.

4.5 Monitoring and Sampling Plan Conclusions and Recommendations

The Volunteer will complete annual groundwater sampling and dye testing during the 2026-2027 reporting period at monitoring wells MW-6, MW-11R, MW-19 and MW-20. There is no change to the SSDS monitoring schedule at present; however, SSDS shutdown approval from the NYSDEC is pending. Groundwater sampling logs are included as an attachment in **Appendix E**.

5 OPERATION AND MAINTENANCE PLAN COMPLIANCE REPORT

5.1 GENERAL

The O&M Plan provides a brief description of the measures necessary to operate, monitor and maintain the mechanical components of the remedy selected for the site. The O&M Plan:

- Includes the procedures necessary to allow individuals unfamiliar with the Site to operate and maintain the SSDS; and
- Will be updated periodically to reflect changes in Site conditions or the manner in which the SSDS is operated and maintained.

Routine maintenance activities are required quarterly by the SMP and recorded on the SSDS O&M forms outlined in the SMP. The routine maintenance activities include visual inspections, operating data collection and general maintenance. Visual inspection is the routine part of the SSDS operator's activities. The system operator will note any conditions which present a potential hazard or could cause future system shutdown. Special attention should be given to any unusual or excessive noise or vibrations from the piping and blower. Specific routine maintenance tasks are outlined below:

- Inspect control panel and warning lights/alarms;
- Inspect all above slab blower piping for leaks and confirm operation of appropriate valves (i.e., dilution valve, pressure relief valve);
- Inspect vacuum/pressure gauges for proper operation;
- Check and clean air filter on each moisture knockout tank; and
- Check for the presence of and remove water in each knockout tank.

Non-routine equipment maintenance is likely to occur and consists of maintenance activities that will be performed with less frequency than the routine maintenance (i.e., semi-annually) on several system components. Specific non-routine maintenance tasks are outlined below:

- Inspect and test alarms;
- Check float switch in each knockout tank for proper operation;
- Replacement of vacuum/pressure gauges; and
- Change bearings on blowers after 15,000 hours of operation.

5.2 SSDS INSPECTION, MONITORING AND SAMPLING

The SSDS inspection and startup testing was conducted in the First Quarter 2021 (March 5, 2021). During this reporting period, inspections were completed in the Second, Third and Fourth Quarter of 2025 (June 16, 2025, September 17, 2025, and November 24, 2025), and the First Quarter of 2026 (February 18, 2026).

Second Quarter 2025 Inspection and Sampling – June 16, 2025

The Second Quarter 2025 inspection and sampling round was conducted on June 16, 2025, and included inspecting the system and taking vacuum readings from the three monitoring points. Vacuum readings at each monitoring port were as follows, which well exceeded the minimum vacuum required (-0.004 inches of water):

- MP-1 (-1.017 inches of water)
- MP-2 (- 0.807 inches of water)
- MP-3 (-1.021 inches of water)

Third Quarter 2025 Inspection and Sampling – September 17, 2025

The Third Quarter 2025 inspection and sampling round was conducted on September 17, 2025, and included inspecting the system and taking vacuum readings from the three monitoring points and PID readings from the blower effluent. The PID measured 0.0 ppm.. Vacuum readings at each monitoring port were as follows, which well exceeded the minimum vacuum required (-0.004 inches of water):

- MP-1 (-1.142 inches of water)
- MP-2 (-0.875 inches of water)
- MP-3 (-1.109 inches of water)

Fourth Quarter 2025 Inspection and Sampling – November 24, 2025

The Fourth Quarter 2025 inspection and sampling round was conducted on November 24, 2025 and included inspecting the system and taking PID readings from the blower effluent. The PID measured 0.0 ppm. Vacuum readings at each monitoring port were as follows, which well exceeded the minimum vacuum required (-0.004 inches of water):

- MP-1 (-0.010 inches of water)
- MP-2 (-0.005 inches of water)
- MP-3 (-0.009 inches of water)

First Quarter 2026 Inspection and Sampling – February 18, 2026

The First Quarter 2026 inspection and sampling round was conducted on February 18, 2026, and included inspecting the system and taking PID readings from the blower effluent. As previously discussed in **Section 4.3**, During this inspection, the IEEG technician observed that the above-grade influent PVC pipe was disconnected from the moisture separator. Additionally, a cracked section of the above grade PVC piping was identified; therefore, the system was temporarily shut off until repairs were completed. Vacuum readings were not collected at each monitoring port during this inspection due to the damaged piping.

- MP-1: Not Collected
- MP-2: Not Collected
- MP-3: Not Collected

Readings collected at each monitoring port during each quarterly SSDS inspection indicate that the SSDS induces adequate vacuum beneath the existing building.

At the request of the NYSDEC, and in response to a comment letter dated November 5, 2025, indoor air, soil gas, and outdoor air samples were collected on December 16, 2025. Following the completion of the sampling event, the SSDS was reactivated, and an Effluent sample was collected on January 13, 2026. Indoor air samples (IA-1, IA-2 and IA-3) were collected at the MP-1, MP-2, and MP-3 locations, and the outdoor air sample (AA-1) was collected from the northeast side of the building for comparative purposes. Additionally, three (3) sub-slab vapor samples identified as SS-1, SS-2 and SS-3 were collected from the existing monitoring points MP-1, MP-2 and MP-3, respectively. Air samples were collected in a 6L Summa canister over an 8-hour period. Air samples were submitted to Phoenix Environmental Laboratories, Inc. (Phoenix) of Manchester, Connecticut (National Environmental Laboratory Accreditation Conference NY#11301) for analysis of VOCs by USEPA Method TO-15 with Select Ion Monitoring (SIM). Air Sampling logs are included in **Appendix E**. In accordance with the NYSDEC comment letter dated July 14, 2026, sub-slab soil vapor analytical data from the December 2025 sampling event has been incorporated into Table 2. This table presents the sub-slab soil vapor results collocated with their corresponding indoor air data collected during this reporting period. It is worth noting that, while the NYSDEC also requested a separate table compiling all historical sub-slab soil vapor data, no sampling for this media was conducted prior to the December 2025 sampling event. Consequently, table 2 presents the data for sub-slab soil vapor st this time. **Table 3** presents a summary of historic air sample results. SSDS monitoring ports are shown on **Plate 2**, and the 2025 indoor air and sub-slab soil vapor sample results are presented on **Plate 4**.

Analytical results were compared to Table 3.1 Air Guideline Values derived by the NYSDOH, dated October 2006 and revised May 2017. Carbon tetrachloride concentrations exceeded the guidance values within IA-1, IA-2, and IA-3; however, it was detected in the outdoor sample, as well, indicating a potential background source. Other VOCs, for which guidance values have not been established, were detected within the air samples. These include acetone, chloroform, chloromethane, dichlorodifluoromethane, ethanol, tetrachloroethene, and trichlorofluoromethane. Analytical laboratory results for the air samples collected during this reporting period are included in **Appendix D**.

5.3 SSDS Operation Monitoring

Equipment maintenance and inspections were performed each time IEEG visited the Site. Routine maintenance of the SSDS was performed on a daily basis by the Volunteer. During this reporting period, the Sensaphone remote monitoring system on the SSDS continues to operate and the Volunteer is notified of any alarm conditions.

As discussed in **Section 4.3**, In February 2026, the system's "High Level" alarm activated a few times; therefore, the volunteer was instructed to drain the moisture separator and reset the system, which temporarily resolved the issue. However, several days later, the volunteer communicated to IEEG that the condition had reoccurred and IEEG conducted a site inspection and identified a cracked section of the above ground PVC piping. Based on the location and observed condition of the pipe, the damage may have resulted from heavy snow accumulation or snow being pushed against the piping during plowing operations; however, the exact cause could not be determined.

On February 19, 2026, IEEG mobilized to the site and repaired the damaged section of above ground piping and reset the system. Following the repair, the SSDS appeared to be operating as designed, with normal airflow observed.

Approximately, two weeks later, the volunteer communicated IEEG that the "High Level" alarm had activated again, resulting in system shutdown. IEEG returned to the site on March 6, 2026, and observed that silty liquid had accumulated in the Moisture Separator. Due to the presence of sediment, IEEG excavated a small area around the exposed PVC pipe, and observed that the below-grade section of piping, approximately 2.5 ft below grade surface (bgs) was disconnected from the horizontal below-grade piping as a result of an additional crack which allowed soil and silty water to slowly enter the subgrade piping.

IEEG returned to the site on March 17, 2026, to evacuate accumulated sediment from the piping, and repair the damaged below-grade pipe section. During this site visit, the moisture separator was also cleaned and accumulated sediment was removed to ensure proper operation of system components. Additionally, the air filter was replaced. Following these maintenance activities, the system was restarted and appeared to be operating as designed. A detailed email addressing these incidents was sent to The NYSDEC and the Volunteer has been doing daily inspections and routine maintenance of the SSDS to make sure any other incident is addressed immediately and actions to repair or rectify the issue are taken accordingly.

6 CONCLUSIONS AND RECOMMENDATIONS

Based on the information and data presented herein, the site cover system and sealed sheet pile containment wall surrounding the petroleum source area are performing as designed, remain effective, and are compliant with the specifications outlined in the Site Management Plan (SMP). The SSDS operated continuously, except for two isolated incidents that occurred in February and March 2026, and an intentional deactivation for 30 days prior to the December 16, 2025 sampling event required to further evaluate subsurface and indoor air conditions in support of the SSDS shutdown determination.

Overall, the SSDS remains compliant with the performance specifications described in the SMP.

At this time, the Volunteer respectfully requests that the SSDS be converted from an active to a passive system, based on the following:

- During the 2015 UST IRM and the 2018 Remedial Action, the primary sources of VOC contamination were removed for off-site disposal, including the USTs, associated piping, and petroleum-contaminated soil and groundwater.
- Data collected during the Remedial Investigation and subsequent post-COC monitoring periods indicate there is no on-site source of the chlorinated VOCs detected in the SSDS effluent, soil gas or indoor air.
- Groundwater sampling results from within the containment area (MW-6 and MW-11R) demonstrate continued attenuation of petroleum-related contaminants.

6.1 SOIL VAPOR INTRUSION STUDY FOR ACTIVE SSDS MODIFICATION

Post-remediation air sampling results demonstrate that the remedial action objectives to mitigate potential impacts to public health from soil vapor intrusion into the Site building have been achieved. Accordingly, IEEG

proposes to discontinue operation of the vacuum blower associated with the SSDS and transition the system to passive operation.

As outlined in the Sub-slab Depressurization System Shutdown Work Plan, dated November 7, 2025, and approved by the NYSDEC on November 12, 2025, IEEG mobilized to the Site on December 16, 2025, to conduct an air sampling event and evaluate current Site conditions. During this event, one (1) outdoor ambient air sample, three (3) indoor air samples and three (3) sub-slab vapor samples were collected for laboratory analysis. On January 13, 2026, IEEG returned to the Site to collect an SSDS Effluent sample. The sampling was conducted within the typical heating season, as defined by NYSDOH guidance (November 15 to March 31). Indoor air sampling results from December 2025 do not indicate a vapor intrusion concern, consistent with data collected in 2022, 2023, 2024 and early 2025. Detection of volatile compounds in indoor air were either below actionable levels or comparable to outdoor background concentrations. An analytical data summary table is provided in **Table 2**.

The December 16, 2025 and January 13, 2026 sampling events were conducted in accordance with the NYSDEC-approved Soil vapor Intrusion Investigation Work Plan and applicable NYSDOH guidance. The data collected meet established data quality objectives.

- TCE, cis-1,2-DCE, 1,1-DCE, and carbon tetrachloride were not detected in sub-slab samples; however, cis-1,2-DCE was detected in indoor air sample IA-3 at concentrations of 0.22 µg/m³.=. As the detected concentration is below 1 µg/m³, no further action is warranted based on NYSDOH Matrix A. Carbon tetrachloride was detected in all the indoor and outdoor air samples at concentrations ranging from 0.4 µg/m³ to 0.42 µg/m³. The presence of the compound across indoor and ambient air samples suggests a background source unrelated to soil vapor.
- In accordance with NYSDOH Matrix B, sub-slab concentrations of PCE ranged from 1.86 to 53.5 µg/m³ across samples SS-1 through SS-3, while corresponding indoor air concentrations ranged from 0.79 to 0.88 µg/m³. These indoor air concentrations are below the NYSDOH AGV of 30 µg/m³. Based on the relationship between sub-slab and indoor air concentrations, Matrix B indicates a no further action is warranted.
- Vinyl chloride was not detected in any of the sub-slab or indoor air samples; therefore, in accordance with NYSDOH Matrix C, no further action is warranted.
- Benzene was detected at concentrations ranging from 1.1 µg/m³ to 1.57 µg/m³, in all the indoor air samples, while ethylbenzene, naphthalene, cyclohexane, isooctane, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene, were not detected in any of the indoor or sub-slab samples. In accordance with NYSDOH Matrix D, “no further action is warranted.

- For m,p-xylene, sub-slab concentrations ranged from 8.07 to 10.4 µg/m³, while the compound was not detected in indoor air samples. Based on this relationship, Matrix E indicates a no further action is warranted.
- Toluene was detected in indoor air samples at concentrations below the NYSDOH guidelines ranging from 1.19 µg/m³ to 1.57 µg/m³; however, the compound was not detected in any of the sub slab samples. In accordance with NYSDOH Matrix F, no further action is warranted.
- No other petroleum-related constituents listed in the NYSDOH were detected at concentrations requiring monitoring or mitigation in accordance with NYSDOH decision matrices.
  For VOCs not specifically included in the NYSDOH decision matrices, sub-slab and indoor air results were either non-detect or present at negligible concentrations and do not warrant further action. Minor detections of VOCs in indoor air are considered representative of typical indoor sources (e.g., consumer and retail products, and building materials), while low-level sub-slab detections are consistent with residual, non-specific sources associated with historical site use.

Overall, the results of the current sampling event, in conjunction with prior sampling data, demonstrate that concentrations of site-related constituents in both sub-slab soil vapor and indoor air are below applicable NYSDOH guidance values. Historical data further indicate that indoor air concentrations have remained consistently below applicable criteria, with no evidence of increasing trends over time, including during periods when the active mitigation system was not in operation.

FIGURES



0 1/4 1/2 mi.

NOTES:
1. FROM USGS; 2023, ARTHUR KILL, NY–NJ 7.5 MINUTE TOPOGRAPHIC QUADRANGLE

SITE LOCATION

5801 Amboy Road
Staten Island, New York

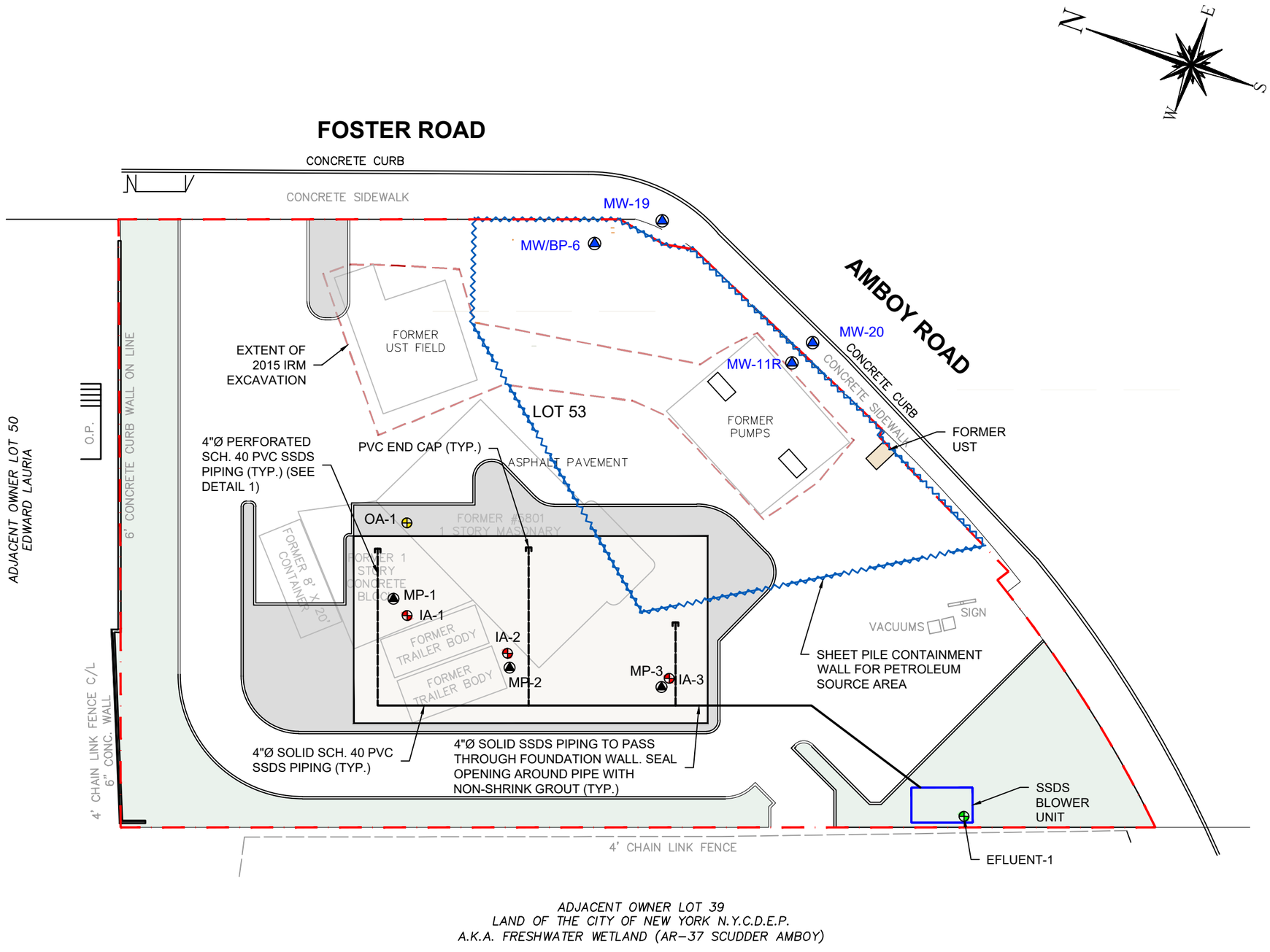
Figure No: 01

PROJECT NO.	17518-01
DESIGNED BY:	AB
DRAWN BY:	AB
CHECKED BY:	LM
DATE:	4/15/2024
SCALE:	1" = 20'

REVISIONS

IMPACT ENVIRONMENTAL CLOSURES, INC.

170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800
FAX (631) 269-1599



LEGEND

- PROPERTY LINE
- MONITORING WELL LOCATION
- SSDS MONITORING POINT
- INDOOR AIR SAMPLE LOCATION
- OUTDOOR AIR SAMPLE LOCATION
- SSDS EFFLUENT SAMPLE LOCATION

0' 20' 40'

NOTES:

1. BASE MAP FROM "SITE PLAN" PREPARED BY ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C. DATED MAY 9, 2023.

SITE PLAN

5801 Amboy Road
Staten Island, New York

Figure No: 02

PROJECT NO.	17518-01
DESIGNED BY:	AB
DRAWN BY:	AB
CHECKED BY:	LM
DATE:	5/7/2026
SCALE:	1" = 20'

REVISIONS

IMPACT ENVIRONMENTAL CLOSURES, INC.

170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800
FAX (631) 269-1599

TABLES

Table 1 - Summary of Volatile Organic Compounds in Groundwater
5801 Amboy Road
Staten Island, New York

Sample Designation:	NYSDEC AWQSGV (µg/L)	Unit	MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		DUP-112723		MW-6		MW-6		MW_BP-11		MW-11R		MW-11R		MW-11R		MW-11R		MW-11R		MW-19		MW-19		MW-19		MW-19	
Sample Date:			9/16/2015		1/22/2021		3/28/2022		11/11/2022		11/11/2022		11/27/2023		11/27/2023		11/26/2024		11/24/2025		9/17/2015		1/22/2021		3/28/2022		11/11/2022		11/27/2023		11/26/2024		11/24/2025		5/11/2017		5/11/2017		1/22/2021		3/28/2022	
Normal or Field Duplicate:			N		N		N		N		FD		N		FD		N		N		N		N		N		N		N		N		N		FD		N		N	
			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatile Organic Compounds																																								
1,1,1,2-Tetrachloroethane	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane (TCA)	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	µg/L	10	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	20	U	2.5	U	2.5	U	10	U	2	U	2.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	µg/L	30	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	60	U	7.5	U	7.5	U	30	U	6	U	7.5	U	7.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	µg/L	10	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	20	U	2.5	U	2.5	U	10	U	2	U	2.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	UJ	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	5	µg/L	**31**	J	2		2	U	**5.7**		**5.3**		1.2	J	1.2	J	1.1	J	2	U	80	U	**100**		**150**	J	**140**		**92**		**99**		**120**		0.72	J	0.79	J	2	U	2	U
1,2,4-Trichlorobenzene	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	UJ	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	µg/L	**200**		4.8		**7.3**		4.8		4.6		2.5	U	2.5	U	2.5	U	2.5	U	100	U	**660**		**390**		**700**		**130**		**220**		**96**		3.1		3.1		2.5	U	2.5	U
1,2-Dibromo-3-Chloropropane	0.04	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane (Ethylene Dibromide)	NS	µg/L	40	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	80	U	10	U	10	U	40	U	8	U	10	U	10	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	µg/L	10	U	0.5	U	0.5	U	0.43	J	0.41	J	0.5	U	0.5	U	0.5	U	0.5	U	20	U	2.5	U	2.5	U	10	U	2	U	2.5	U	2.5	U	0.59		**0.62**		0.5	U	0.5	U
1,2-Dichloropropane	1	µg/L	20	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	40	U	5	U	5	U	20	U	4	U	5	U	5	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene (Mesitylene)	5	µg/L	**36**	J	2	J	4.2		0.71	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	**140**		**220**		**180**		**42**		**52**		**27**		2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	3	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Diethyl Benzene	NS	µg/L	17	J	2.1		5.2		5.4		5.1		4.7		4.5		2.6		0.85	J	49	J	91		200	J	120		20		22		29		2	U	2	U	2	U	2	U
1,4-Dioxane (P-Dioxane)	NS	µg/L	5000	U	250	U	250	R	250	R	250	R	250	U	250	U	250	U	250	U	10000	U	1200	U	1200	R	5000	R	1000	U	1200	U	1200	U	250	U	250	U	250	U	250	R
2,2-Dichloropropane	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Chlorotoluene	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Hexanone	50	µg/L	100	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	200	U	25	U	25	U	100	U	20	U	32		25	U	5	U	5	U	5	U	5	U
4-Chlorotoluene	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
4-Ethyltoluene	NS	µg/L	29	J	2.7		5.4		2		1.7	J	0.7	J	0.72	J	2	U	2	U	80	U	280		240		340		83		130		65		1.5	J	1.6	J	2	U	2	U
Acetone	50	µg/L	100	U	5	U	3.4	J	9.2	U	8.6	U	5	U	5	U	5	U	2.4	J	200	U	44		46		100	U	20	U	25	U	25	U	3.8	J	3.7	J	5	U	5	U
Acrylonitrile	5	µg/L	100	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	200	U	25	U	25	U	100	U	20	U	25	U	25	U	5	U	5	U	5	U	5	U
Benzene	1	µg/L	**2700**		**26**		**6.4**		**86**		**89**		**35**		**35**		1		0.21	J	**1800**		**640**		**590**		**2100**		**480**		**500**		**480**		**3.5**		**3.5**		0.5	U	0.5	U
Bromobenzene	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	µg/L	10	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	20	U	2.5	U	2.5	U	10	U	2	U	2.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	µg/L	40	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	80	U	10	U	10	U	40	U	8	U	10	U	10	U	2	U	2	U	2	U	2	U
Bromomethane	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	UJ	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Carbon Disulfide	60	µg/L	100	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	200	U	25	U	25	U	100	U	20	U	25	U	25	U	5	U	5	U	5	U	5	U
Carbon Tetrachloride	5	µg/L	10	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	20	U	2.5	U	2.5	U	10	U	2	U	2.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	7	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane	NS	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.6		2.5	U
Cis-1,2-Dichloroethylene	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Cis-1,3-Dichloropropene	5	µg/L	10	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	20	U	2.5	U	2.5	U	10	U	2	U	2.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cymene	5	µg/L	50	U	2.5	U	2.5	U	1.3	J	1.3	J	0.85	J	0.82	J	2.5	U	2.5	U	100	U	**6.9**	J	**9.8**	J	**16**	J	4.7	J	4.7	J	3.8	J	2.5	U	2.5	U	2.5	U	2.5	U
Dibromochloromethane	50	µg/L	10	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	20	U	2.5	U	2.5	U	10	U	2	U	2.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	µg/L	100	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	200	U	25	U	25	U	100	U	20	U	25	U	25	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	µg/L	100	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	200	U	25	U	25	U	100	U	20	U	25	U	25	U	5	U	5	U	5	U	5	U
Dichloroethylenes	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Diethyl Ether (Ethyl Ether)	NS	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	µg/L	**540**		**5.9**		3.6		**25**		**23**		4.6		4.6		2.5	U	2.5	U	**32**	J	**670**		**280**		**720**		**180**		**150**		**55**		2	J	2	J	2.5	U	2.5	U
Hexachlorobutadiene	0.5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene (Cumene)	5	µg/L	**27**	J	1.5	J	2.8		**23**		**22**		**19**		**16**		**13**		1.6	J	**56**	J	**110**		**70**		**110**		**52**		**64**		**42**		2.5	U	2.5	U	2.5	U	2.5	U
m,p-Xylene	5	µg/L	**500**		**12**		4.7		**5.1**		4.5		1.9	J	2	J	2.5	U	2.5	U	**67**	J	**660**		**350**		**860**		**220**		**240**		**88**		2.5		2.3	J	2.5	U	2.5	U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	100	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	200	U	25	U	25	U	100	U	20	U	25	U	25	U	5	U	5	U	5	U	5	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	µg/L	100	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	200	U	25	U	25	U	100	U	20	U	25	U	25	U	5	U	5	U	5	U	5	U
Methylene Chloride	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Naphthalene	10	µg/L	**190**		1.1	J	6.1		3.5		3.2		1.8	J	1.7	J	0.96	J	2.5	U	100	U	**210**	J-	**280**		**410**		**130**		**180**		**100**		2.1	J	1.4	J	2.5	U	2.5	U
N-Butylbenzene	5	µg/L	50	U	2.5	U	2.5	U	2.4	J	2.4	J	1.9	J	1.6	J	0.8	J	2.5	U	100	U	**33**		**17**		**30**	J	**7.7**	J	**11**	J	**11**	J	2.5	U	2.5	U	2.5	U	2.5	U

Table 1 - Summary of Volatile Organic Compounds in Groundwater
5801 Amboy Road
Staten Island, New York

Sample Designation:	NYSDEC AWQSGV (µg/L)	Unit	MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		DUP-112723		MW-6		MW-6		MW_BP-11		MW-11R		MW-11R		MW-11R		MW-11R		MW-11R		MW-19		MW-19		MW-19		MW-19	
Sample Date:			9/16/2015		1/22/2021		3/28/2022		11/11/2022		11/11/2022		11/27/2023		11/27/2023		11/26/2024		11/24/2025		9/17/2015		1/22/2021		3/28/2022		11/11/2022		11/27/2023		11/26/2024		11/24/2025		5/11/2017		5/11/2017		1/22/2021		3/28/2022	
Normal or Field Duplicate:			N		N		N		N		FD		N		FD		N		N		N		N		N		N		N		N		N		FD		N		N	
			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatile Organic Compounds																																								
N-Propylbenzene	5	µg/L	**64**		2.5		**6.7**		**45**		**44**		**37**		**31**		**14**		1.2	J	**130**		**260**		**150**	J	**290**		**88**		**130**		**87**		0.84	J	0.86	J	2.5	U	2.5	U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	**20**	J	2.3	J	2.5	U	**16**		**19**		4.5		5		2.5	U	2.5	U	100	U	**13**		**14**		**36**	J	**11**		**11**	J	**5.2**	J	2.5	U	2.5	U	2.5	U	2.5	U
Sec-Butylbenzene	5	µg/L	50	U	2.5	U	2.5	U	2.5		2.4	J	1.9	J	1.7	J	1.4	J	2.5	U	100	U	**15**		**13**		**22**	J	**5.4**	J	**8.1**	J	**7.6**	J	2.5	U	2.5	U	2.5	U	2.5	U
Styrene	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
T-Butylbenzene	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Tert-Butyl Methyl Ether	10	µg/L	**97**		0.97	J	2.5	U	4.4		4		5.6		6		2.6		0.87	J	**120**		**51**		**34**	J	**190**		**19**		**36**		**18**		3.4		3.4		2.5	U	2.5	U
Tetrachloroethylene (PCE)	5	µg/L	10	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	20	U	2.5	U	2.5	U	10	U	2	U	2.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	5	µg/L	**55**		1.2	J	2.5	U	3.1		3.1		2.8		2.5		2.5	U	2.5	U	100	U	**15**		**20**		**94**		**15**		**21**		**11**	J	2.5	U	2.5	U	2.5	U	2.5	U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	µg/L	10	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	20	U	2.5	U	2.5	U	10	U	2	U	0.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trans-1,2-Dichloroethene	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	UJ	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Trans-1,3-Dichloropropene	NS	µg/L	10	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	20	U	2.5	U	2.5	U	10	U	2	U	2.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trans-1,4-Dichloro-2-Butene	NS	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethylene (TCE)	5	µg/L	10	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	20	U	2.5	U	2.5	U	10	U	2	U	2.5	U	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	5	µg/L	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	100	U	12	U	12	U	50	U	10	U	12	U	12	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl Acetate	NS	µg/L	100	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	200	U	25	U	25	U	100	U	20	U	25	U	25	U	5	U	5	U	5	U	5	U
Vinyl Chloride	2	µg/L	20	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	40	U	5	U	5	U	20	U	4	U	5	U	5	U	1	U	1	U	1	U	1	U
Xylenes	5	µg/L	**520**	J	**14**	J	4.7		**21**		**24**		**6.4**	J	**7**	J	2.5	U	2.5	U	**67**	J	**670**		**360**		**900**	J	**230**		**250**	J	**93**	J	2.5		2.3	J	2.5	U	2.5	U

NOTES:
NYSDEC AWQSGV: New York Department of Environmental Conservation Class GA Ambient Water Quality Standards and Guidance Values
NS - No Standard
J - Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U - Analyte not detected at or above the level indicated

Table 1 - Summary of Volatile Organic Compounds in Groundwater
5801 Amboy Road
Staten Island, New York

Sample Designation:	NYSDEC AWQSGV (µg/L)	Unit	MW-19		MW-19		MW-19		DUP-112624		MW-19		DUP-112426		MW-20		MW-20		MW-20		MW-20		MW-20		MW-20		MW-20		MW-20		MW-20	
Sample Date:			11/11/2022		11/27/2023		11/26/2024		11/26/2024		11/24/2025		11/24/2025		5/11/2017		1/22/2021		1/22/2021		3/28/2022		3/28/2022		11/11/2022		11/27/2023		11/26/2024		11/24/2025	
Normal or Field Duplicate:			N		N		N		FD		N		FD		N		N		FD		N		FD		N		N		N		N	
			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatile Organic Compounds																																
1,1,1,2-Tetrachloroethane	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane (TCA)	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	µg/L	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	3	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	5	µg/L	2	U	2	U	2	U	2	U	2	U	2	U	**8**		2	U	2	U	**5.1**		2	U	1.1	J	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**110**		1.2	J	1	J	**13**		**12**		2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-Chloropropane	0.04	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane (Ethylene Dibromide)	NS	µg/L	2	U	2	U	2	U	2	U	2	U	2	U	4	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	1	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene (Mesitylene)	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**27**		2.5	U	2.5	U	**7.4**		**6.6**		2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	3	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Diethyl Benzene	NS	µg/L	2	U	2	U	2	U	2	U	2	U	2	U	17		2	U	2	U	6		5.4		2	U	2	U	2	U	2	U
1,4-Dioxane (P-Dioxane)	NS	µg/L	250	R	250	U	250	U	250	U	250	U	250	U	500	U	250	U	250	U	250	R	250	R	250	R	250	U	250	U	250	U
2,2-Dichloropropane	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Chlorotoluene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Hexanone	50	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Chlorotoluene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
4-Ethyltoluene	NS	µg/L	2	U	2	U	2	U	2	U	2	U	2	U	50		2	U	2	U	8.7		7.8		2	U	2	U	2	U	2	U
Acetone	50	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	30		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acrylonitrile	5	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**100**		**3.1**		**2.5**		**4.5**		**4.3**		0.4	J	0.23	J	0.5	U	0.5	U
Bromobenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	µg/L	2	U	2	U	2	U	2	U	2	U	2	U	4	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1.4	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Carbon Disulfide	60	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon Tetrachloride	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	7	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane	NS	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Cis-1,2-Dichloroethylene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Cis-1,3-Dichloropropene	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cymene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Dibromochloromethane	50	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dichloroethylenes	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Diethyl Ether (Ethyl Ether)	NS	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**74**		1.9	J	1.6	J	**6.5**		**6.3**		2.5	U	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene (Cumene)	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**6.3**		0.71	J	2.5	U	2.3	J	2	J	2.5	U	2.5	U	2.5	U	2.5	U
m,p-Xylene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**160**		2.5	U	2.5	U	**9.4**		**9**		2.5	U	2.5	U	2.5	U	2.5	U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Methylene Chloride	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Naphthalene	10	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**25**		2.5	U	2.5	U	10		9.2		2.5	U	2.5	U	2.5	U	2.5	U
N-Butylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	3.5	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U

Table 1 - Summary of Volatile Organic Compounds in Groundwater
5801 Amboy Road
Staten Island, New York

Sample Designation:	NYSDEC AWQSGV (µg/L)	Unit	MW-19		MW-19		MW-19		DUP-112624		MW-19		DUP-112426		MW-20		MW-20		MW-20		MW-20		MW-20		MW-20		MW-20		MW-20		MW-20	
Sample Date:			11/11/2022		11/27/2023		11/26/2024		11/26/2024		11/24/2025		11/24/2025		5/11/2017		1/22/2021		1/22/2021		3/28/2022		3/28/2022		11/11/2022		11/27/2023		11/26/2024		11/24/2025	
Normal or Field Duplicate:			N		N		N		FD		N		FD		N		N		FD		N		FD		N		N		N		N	
			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatile Organic Compounds																																
N-Propylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**14**		1.2	J	0.95	J	**5.7**		**5.1**		2.5	U	2.5	U	2.5	U	2.5	U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**18**		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Sec-Butylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Styrene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
T-Butylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tert-Butyl Methyl Ether	10	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**33**		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tetrachloroethylene (PCE)	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**9.9**		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trans-1,2-Dichloroethene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trans-1,3-Dichloropropene	NS	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trans-1,4-Dichloro-2-Butene	NS	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethylene (TCE)	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl Acetate	NS	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl Chloride	2	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**180**		2.5	U	2.5	U	**9.4**		**9**		2.5	U	2.5	U	2.5	U	2.5	U

NOTES:
NYSDEC AWQSGV: New York Department of Environmental Conse
NS - No Standard
J - Analyte detected at or above the MDL (method detection limit) b
U - Analyte not detected at or above the level indicated

Table 2 - Indoor Air, Sub-slab Soil Vapor, Ambient Air, and Effluent Sample Analytical Results
2025 - 2026 Reporting Period
5801 Amboy Road
Staten Island, New York

Lab Sample ID:	CAS	NYSDOH Decision Matrices (µg/m3)	Units	CU98123		CU98125		CU98121		CU98126		CU98120		CU98124		CU98122		CV13321	
Client ID:				12/16/2025		12/16/2025		12/16/2025		12/16/2025		12/16/2025		12/16/2025		12/16/2025		1/13/2026	
Collection Date:				IA-1		SS-1		IA-2		SS-2		IA-3		SS-3		AA-1		EFFLUENT-1	
Matrix:				Indoor Air		Sub Slab		Indoor Air		Sub Slab		Indoor Air		Sub Slab		Ambient Air		Effluent Air	
				Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatiles (TO15) By TO15																			
1,1,1,2-Tetrachloroethane	630-20-6	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
1,1,1-Trichloroethane	71-55-6	3	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
1,1,2,2-Tetrachloroethane	79-34-5	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
1,1,2-Trichloroethane	79-00-5	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
1,1-Dichloroethane	75-34-3	NS	µg/m3	< 1.00	U	< 5.02	U	< 1.00	U	< 5.02	U	< 1.00	U	< 5.02	U	< 1.00	U	< 5.02	U
1,1-Dichloroethene	75-35-4	0.2	µg/m3	< 0.20	U	< 1.00	U	< 0.20	U	< 1.00	U	< 0.20	U	< 1.00	U	< 0.20	U	< 1.00	U
1,2,4-Trichlorobenzene	120-82-1	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
1,2,4-Trimethylbenzene	95-63-6	2	µg/m3	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U
1,2-Dibromoethane(EDB)	106-93-4	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
1,2-Dichlorobenzene	95-50-1	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
1,2-Dichloroethane	107-06-2	NS	µg/m3	< 1.00	U	< 5.02	U	< 1.00	U	< 5.02	U	< 1.00	U	< 5.02	U	< 1.00	U	< 5.02	U
1,2-dichloropropane	78-87-5	NS	µg/m3	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
1,3,5-Trimethylbenzene	108-67-8	2	µg/m3	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U
1,3-Butadiene	106-99-0	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
1,3-Dichlorobenzene	541-73-1	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
1,4-Dichlorobenzene	106-46-7	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
1,4-Dioxane	123-91-1	NS	µg/m3	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U
2-Hexanone(MBK)	591-78-6	NS	µg/m3	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U
4-Ethyltoluene	622-96-8	NS	µg/m3	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U
4-Isopropyltoluene	99-87-6	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	**1.45**		< 5.00	U	< 1.00	U	< 5.00	U
4-Methyl-2-pentanone(MIBK)	108-10-1	NS	µg/m3	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U
Acetone	67-64-1	NS	µg/m3	**72.4**		**15.4**		**66.5**		**23.7**		**63.9**		**14.7**		**5.84**		**7.6**	
Acrylonitrile	107-13-1	NS	µg/m3	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U
Benzene	71-43-2	2	µg/m3	**1.1**		< 5.01	U	**1.1**		< 5.01	U	**1.06**		< 5.01	U	**1.57**		< 5.01	U
Benzyl chloride	100-44-7	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
Bromodichloromethane	75-27-4	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
Bromoform	75-25-2	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
Bromomethane	74-83-9	NS	µg/m3	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U
Carbon Disulfide	75-15-0	NS	µg/m3	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U
Carbon Tetrachloride	56-23-5	0.2	µg/m3	**0.42**		< 1.00	U	**0.41**		< 1.00	U	**0.4**		< 1.00	U	**0.4**		< 1.00	U
Chlorobenzene	108-90-7	NS	µg/m3	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U
Chloroethane	75-00-3	NS	µg/m3	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U
Chloroform	67-66-3	NS	µg/m3	**3.85**		**9.08**		**3.6**		< 4.98	U	**3.62**		< 4.98	U	< 1.00	U	< 4.98	U
Chloromethane	74-87-3	NS	µg/m3	**1.55**		< 4.99	U	**1.77**		< 4.99	U	**1.43**		< 4.99	U	**1.42**		< 4.99	U
Cis-1,2-Dichloroethene	156-59-2	0.2	µg/m3	< 0.20	U	< 1.00	U	< 0.20	U	< 1.00	U	**0.22**		< 1.00	U	< 0.20	U	< 1.00	U
cis-1,3-Dichloropropene	10061-01-5	NS	µg/m3	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U
Cyclohexane	110-82-7	2	µg/m3	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U
Dibromochloromethane	124-48-1	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
Dichlorodifluoromethane	75-71-8	NS	µg/m3	**2.29**		< 4.99	U	**2.36**		< 4.99	U	**2.22**		< 4.99	U	**2.26**		< 4.99	U
Ethanol	64-17-5	NS	µg/m3	**1320**	E	**154**		**1240**	E	**290**		**1220**	E	**139**		**20.1**		**42.2**	
Ethyl acetate	141-78-6	NS	µg/m3	**2.52**		**8.53**		**2.41**		**9.04**		**2.35**		**9.4**		< 1.00	U	< 5.01	U
Ethylbenzene	100-41-4	2	µg/m3	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U
Heptane	142-82-5	6	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
Hexachlorobutadiene	87-68-3	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
Hexane	110-54-3	6	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
Isooctane	540-84-1	2	µg/m3	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U
Isopropylalcohol	67-63-0	NS	µg/m3	**663**	E	**141**		**587**	E	**260**		**602**	E	**123**		**13.7**		< 5.01	U
Isopropylbenzene	98-82-8	NS	µg/m3	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U
m,p-Xylene	179601-23-1	6	µg/m3	< 1.00	U	**10.4**		< 1.00	U	**8.07**		< 1.00	U	**8.59**		< 1.00	U	< 4.99	U
Methyl Ethyl Ketone	78-93-3	NS	µg/m3	**9.87**		< 5.01	U	**9.4**		< 5.01	U	**9.02**		< 5.01	U	< 1.00	U	< 5.01	U
Methyl tert-butyl ether(MTBE)	1634-04-4	NS	µg/m3	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U
Methylene Chloride	75-09-2	3	µg/m3	< 3.00	U	< 15.0	U	< 3.00	U	< 15.0	U	< 3.00	U	< 15.0	U	< 3.00	U	< 15.0	U
Naphthalene	91-20-3	2	µg/m3	< 1.05	U	< 5.23	U	< 1.05	U	< 5.23	U	< 1.05	U	< 5.23	U	< 1.05	U	< 5.23	U
n-Butylbenzene	104-51-8	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
o-Xylene	95-47-6	2	µg/m3	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U
Propylene	115-07-1	NS	µg/m3	**2.2**		< 5.01	U	< 1.00	U	< 5.01	U	**2.2**		< 5.01	U	< 1.00	U	< 5.01	U
sec-Butylbenzene	135-98-8	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
Styrene	100-42-5	NS	µg/m3	**1.6**		< 4.98	U	**1.52**		< 4.98	U	**2.06**		< 4.98	U	< 1.00	U	< 4.98	U
Tetrachloroethene	127-18-4	3	µg/m3	**0.88**		**53.5**		**0.81**		**1.86**		**0.79**		**1.9**		< 0.25	U	< 1.25	U
Tetrahydrofuran	109-99-9	NS	µg/m3	< 1.00	U	< 5.01	U	< 1.00	U	**6.6**		< 1.00	U	< 5.01	U	< 1.00	U	< 5.01	U
Toluene	108-88-3	10	µg/m3	**1.57**		< 5.01	U	**1.57**		< 5.01	U	**1.52**		< 5.01	U	**1.19**		< 5.01	U
Trans-1,2-Dichloroethene	156-60-5	NS	µg/m3	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U
trans-1,3-Dichloropropene	10061-02-6	NS	µg/m3	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U	< 1.00	U	< 4.99	U
Trichloroethene	79-01-6	0.2	µg/m3	< 0.20	U	< 0.99	U	< 0.20	U	< 0.99	U	< 0.20	U	< 0.99	U	< 0.20	U	**3.06**	
Trichlorofluoromethane	75-69-4	NS	µg/m3	**1.07**		< 5.00	U	**1.05**		< 5.00	U	**1.02**		< 5.00	U	**1.09**		< 5.00	U
Trichlorotrifluoroethane	76-13-1	NS	µg/m3	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U	< 1.00	U	< 5.00	U
Vinyl Chloride	75-01-4	0.2	µg/m3	< 0.20	U	< 1.00	U	< 0.20	U	< 1.00	U	< 0.20	U	< 1.00	U	< 0.20	U	< 1.00	U

NOTES:

NYSDOH Decision Matrices - New York DOH Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006. Matrices A, B and C updated May 2017; Matrices C, D, and F updated February 2024.

J - Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U - Analyte not detected at or above the level indicated

Bold - Indicates parameter was detected

Table 3 - Summary of Volatile Organic Compounds in Soil Vapor
5801 Amboy Road
Staten Island, New York

Sample Designation:	Unit	EFFLUENT		EFFLUENT		EFFLUENT		EFFLUENT-1		EFFLUENT-1		EFFLUENT-1		INDOOR		INDOOR		INDOOR		IA-2		IA-1		IA-1		IA-2		IA-1		IA-2		IA-3		OUTDOOR		OA-1		OA-1		AA-1	
Sample Date:		3/5/2021		4/13/2021		3/28/2022		3/1/2024		2/26/2025		1/13/2026		3/5/2021		4/13/2021		3/28/2022		3/1/2024		3/1/2024		2/26/2025		2/26/2025		12/16/2025		12/16/2025		12/16/2025		3/5/2021		3/1/2024		2/26/2025		12/16/2025	
		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatile Organic Compounds																																									
1,1,1-Trichloroethane	µg/m3	0.109	U	1.09	U	1.09	U	1.00	U	1.00	U	5.00	U	0.109	U	0.109	U	0.109	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.109	U	1.00	U	1.00	U	1.00	U
1,1,2,2-Tetrachloroethane	µg/m3	1.37	U	1.37	U	1.37	U	1.00	U	1.00	U	5.00	U	1.37	U	1.37	U	1.37	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.37	U	1.00	U	1.00	U	1.00	U
1,1,2-Trichloroethane	µg/m3	1.09	U	1.09	U	1.09	U	1.00	U	1.00	U	5.00	U	1.09	U	1.09	U	1.09	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.09	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethane	µg/m3	0.809	U	0.809	U	0.809	U	1.00	U	1.00	U	5.02	U	0.809	U	0.809	U	0.809	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.809	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethene	µg/m3	0.079	U	0.793	U	0.793	U	0.2	U	0.2	U	1.00	U	0.079	U	0.079	U	0.079	U	0.08	U	0.08	U	0.20	U	0.2	U	0.20	U	0.20	U	0.20	U	0.079	U	0.08	U	0.2	U	0.20	U
1,2,4-Trichlorobenzene	µg/m3	1.48	U	1.48	U	1.48	U	1.00	U	1.00	U	5.00	U	1.48	U	1.48	U	1.48	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.48	U	1.00	U	1.00	U	1.00	U
1,2,4-Trimethylbenzene	µg/m3	0.983	U	0.983	U	0.983	U	1.00	U	1.00	U	5.01	U	**1.39**		**1.76**		0.983	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.983	U	1.00	U	1.00	U	1.00	U
1,2-Dibromoethane(EDB)	µg/m3	1.54	U	1.54	U	1.54	U	1.00	U	1.00	U	5.00	U	1.54	U	1.54	U	1.54	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.54	U	1.00	U	1.00	U	1.00	U
1,2-Dichlorobenzene	µg/m3	1.2	U	1.2	U	1.2	U	1.00	U	1.00	U	5.00	U	1.2	U	1.2	U	1.2	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.2	U	1.00	U	1.00	U	1.00	U
1,2-Dichloroethane	µg/m3	0.809	U	0.809	U	0.809	U	1.00	U	1.00	U	5.02	U	0.809	U	0.809	U	0.809	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.809	U	1.00	U	1.00	U	1.00	U
1,2-Dichloropropane	µg/m3	0.924	U	0.924	U	0.924	U	1.00	U	1.00	U	4.99	U	0.924	U	0.924	U	0.924	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.924	U	1.00	U	1.00	U	1.00	U
1,2-Dichlorotetrafluoroethane	µg/m3	1.4	U	1.4	U	1.4	U	1.00	U	1.00	U	5.00	U	1.4	U	1.4	U	1.4	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.4	U	1.00	U	1.00	U	1.00	U
1,3,5-Trimethylbenzene	µg/m3	0.983	U	0.983	U	0.983	U	1.00	U	1.00	U	5.01	U	0.983	U	0.983	U	0.983	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.983	U	1.00	U	1.00	U	1.00	U
1,3-Butadiene	µg/m3	0.442	U	0.442	U	0.442	U	1.00	U	1.00	U	5.00	U	0.442	U	0.442	U	0.442	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.442	U	1.00	U	1.00	U	1.00	U
1,3-Dichlorobenzene	µg/m3	1.2	U	1.2	U	1.2	U	1.00	U	1.00	U	5.00	U	1.2	U	1.2	U	1.2	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.2	U	1.00	U	1.00	U	1.00	U
1,4-Dichlorobenzene	µg/m3	1.2	U	1.2	U	1.2	U	1.00	U	1.00	U	5.00	U	1.2	U	1.2	U	1.2	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.2	U	1.00	U	1.00	U	1.00	U
1,4-Dioxane	µg/m3	0.721	U	0.721	U	0.721	U	1.00	U	1.00	U	5.01	U	0.721	U	0.721	U	0.721	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.721	U	1.00	U	1.00	U	1.00	U
2-Hexanone(MBK)	µg/m3	0.82	U	**2.11**		0.82	U	1.00	U	1.00	U	4.99	U	0.82	U	0.82	U	0.82	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.82	U	1.00	U	1.00	U	1.00	U
4-Ethyltoluene	µg/m3	0.983	U	0.983	U	0.983	U	1.00	U	1.00	U	5.01	U	0.983	U	0.983	U	0.983	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.983	U	1.00	U	1.00	U	1.00	U
4-Isopropyltoluene	µg/m3	-	-	-	-	-	-	1.00	U	1.00	U	5.00	U	-	-	-	-	-	-	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	**1.45**		-	-	1.00	U	1.00	U	1.00	U
4-Methyl-2-pentanone(MIBK)	µg/m3	2.05	U	2.05	U	2.05	U	1.00	U	1.00	U	4.99	U	2.05	U	2.05	U	2.05	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	2.05	U	1.00	U	1.00	U	1.00	U
Acetone	µg/m3	**2.73**		**7.36**		**5.58**		**48.7**		**37.3**		**7.6**		**13.6**		**23.2**		**34**		**58.4**		**53.4**		**52.90**		**43.4**		**72.4**		**66.5**		**63.9**		**3.92**		**3.47**		**7.38**		**5.84**	
Allyl Chloride (3-Chloropropene)	µg/m3	0.626	U	0.626	U	0.626	U	-	-	-	-	-	-	0.626	U	0.626	U	0.626	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.626	U	-	-	-	-	-	-
Benzene	µg/m3	0.639	U	0.639	U	0.639	U	1.00	U	1.00	U	5.01	U	0.639	U	0.639	U	0.639	U	1.00	U	1.00	U	1.00	U	1.00	U	**1.1**		**1.1**		**1.06**		**0.728**		1.00	U	1.00	U	**1.57**	
Benzyl Chloride	µg/m3	1.04	U	1.04	U	1.04	U	1.00	U	1.00	U	5.00	U	1.04	U	1.04	U	1.04	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.04	U	1.00	U	1.00	U	1.00	U
Bromodichloromethane	µg/m3	1.34	U	1.34	U	1.34	U	1.00	U	1.00	U	5.00	U	1.34	U	1.34	U	1.34	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.34	U	1.00	U	1.00	U	1.00	U
Bromoform	µg/m3	2.07	U	2.07	U	2.07	U	1.00	U	1.00	U	5.00	U	2.07	U	2.07	U	2.07	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	2.07	U	1.00	U	1.00	U	1.00	U
Bromomethane	µg/m3	0.777	U	0.777	U	0.777	U	1.00	U	1.00	U	5.01	U	0.777	U	0.777	U	0.777	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.777	U	1.00	U	1.00	U	1.00	U
Carbon Disulfide	µg/m3	0.623	U	0.623	U	0.623	U	1.00	U	1.00	U	5.01	U	0.623	U	0.623	U	0.623	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.623	U	1.00	U	1.00	U	1.00	U
Carbon Tetrachloride	µg/m3	**0.428**		1.26	U	1.26	U	**0.42**		**0.47**		1.00	U	**0.428**		**0.384**		**0.491**		**0.45**		**0.33**		**0.48**		**0.47**		**0.42**		**0.41**		**0.4**		**0.434**		**0.43**		**0.51**		**0.4**	
Chlorobenzene	µg/m3	0.921	U	0.921	U	0.921	U	1.00	U	1.00	U	5.01	U	0.921	U	0.921	U	0.921	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.921	U	1.00	U	1.00	U	1.00	U
Chloroethane	µg/m3	0.528	U	0.528	U	0.528	U	1.00	U	1.00	U	5.01	U	0.528	U	0.528	U	0.528	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.528	U	1.00	U	1.00	U	1.00	U
Chloroform	µg/m3	0.977	U	**1.84**		0.977	U	**12.1**		**7.56**		4.98	U	**1.21**		**1.7**		**1.16**		**3.62**		**2.92**		**1.99**		**1.53**		**3.85**		**3.6**		**3.62**		0.977	U	1.00	U	1.00	U	1.00	U
Chloromethane	µg/m3	**0.71**		**0.857**		**0.805**		1.00	U	1.00	U	4.99	U	**0.956**		**1.33**		**1.35**		**1.31**		**1.41**		**1.49**		**1.41**		**1.55**		**1.77**		**1.43**		**1.13**		**1.06**		**1.4**		**1.42**	
Cis-1,2-Dichloroethene	µg/m3	0.079	U	0.793	U	0.793	U	0.2	U	**0.44**		1.00	U	0.079	U	0.079	U	**0.095**		0.08	U	0.08	U	0.20	U	0.2	U	0.20	U	0.20	U	**0.22**		**0.127**		0.08	U	0.2	U	0.20	U
Cis-1,3-Dichloropropene	µg/m3	0.908	U	0.908	U	0.908	U	1.00	U	1.00	U	4.99	U	0.908	U	0.908	U	0.908	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.908	U	1.00	U	1.00	U	1.00	U
Cyclohexane	µg/m3	0.688	U	0.688	U	0.688	U	1.00	U	1.00	U	4.99	U	0.688	U	0.688	U	0.688	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.688	U	1.00	U	1.00	U	1.00	U
Dibromochloromethane	µg/m3	1.7	U	1.7	U	1.7	U	1.00	U	1.00	U	5.00	U	1.7	U	1.7	U	1.7	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.7	U	1.00	U	1.00	U	1.00	U
Dichlorodifluoromethane	µg/m3	**1.97**		**2.13**		**2.38**		**2.13**		**1.92**		4.99	U	**1.85**		**2.04**		**2.45**		**2.19**		**2.2**		**2.32**		**2.29**		**2.29**		**2.36**		**2.22**		**1.7**		**2.11**		**2.4**		**2.26**	
Ethanol	µg/m3	9.42	U	**27.3**		9.42	U	**14.2**		**110**	E	**42.2**		**156**		**703**		**426**		**627**	E	**567**	E	**443**	E	**497**	E	**1320**	E	**1240**	E	**1220**	E	9.42	U	**5.95**		**8.42**		**20.1**	
Ethyl acetate	µg/m3	1.8	U	1.8	U	1.8	U	1.00	U	1.00	U	5.01	U	1.8	U	1.8	U	1.8	U	**1.89**		**1.61**		**1.79**		**1.43**		**2.52**		**2.41**		**2.35**		1.8	U	1.00	U	1.00	U	1.00	U
Ethylbenzene	µg/m3	0.869	U	0.869	U	0.869	U	1.00	U	1.00	U	4.99	U	0.869	U	0.869	U	0.869	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.869	U	1.00	U	1.00	U	1.00	U
Heptane	µg/m3	0.82	U	0.82	U	0.82	U	1.00	U	1.00	U	5.00	U	0.82	U	0.82	U	0.82	U	**2.18**		1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.82	U	1.00	U	1.00	U	1.00	U
Hexachlorobutadiene	µg/m3	2.13	U	2.13	U	2.13	U	1.00	U	1.00	U	5.00	U	2.13	U	2.13	U	2.13	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	2.13	U	1.00	U	1.00	U	1.00	U
Hexane	µg/m3	0.705	U	0.705	U	0.705	U	1.00	U	1.00	U	5.00	U	0.705	U	0.705	U	0.705	U	1.00	U	1.00	U	**1.16**		**1.2**		1.00	U	1.00	U	1.00	U	0.705	U	1.00	U	1.00	U	1.00	U
Isooctane	µg/m3	0.934	U	0.934	U	**14.5**		0.93	U	1.00	U	4.99	U	0.934	U	0.934	U	0.934	U	0.93	U	0.93	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.934	U	0.93	U	1.00	U	1.00	U
Isopropylalcohol	µg/m3	1.23	U	**4.52**		**2.15**		**12.3**		**140**	E	5.01	U	**5.73**		**15.5**		**1.95**		**44.7**		**28.7**		**119**	E	**134**	E	**663**	E	**587**	E	**602**	E	1.23	U	1.00	U	1.19		**13.7**	
Isopropylbenzene	µg/m3	-	-	-	-	-	-	1.00	U	1.00	U	5.01	U	-	-	-	-	-	-	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	-	-	1.00	U	1.00	U	1.00	U
m,p-Xylene	µg/m3	1.74	U	1.74	U	1.74	U	1.00	U	1.00	U	4.99	U	1.74	U	1.74	U	1.74	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.74	U	1.00	U	1.00	U	1.00	U
Methyl Ethyl Ketone	µg/m3	1.47	U	**2.5**		1.47	U	**41.6**		**3.77**		5.01	U	**2.98**		**5.49**		**4.45**		**6.19**		**5.39**		**10.30**		**7.37**		**9.87**		**9.4**		**9.02**		1.47	U	1.00	U	**1.07**		1.00	U
Methyl tert-butyl ether(MTBE)	µg/m3	-	-	-	-	-	-	1.00	U	1.00	U	5.01	U	-	-	-	-	-	-	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	-	-	1.00	U	1.00	U	1.00	U
Methylene Chloride	µg/m3	1.74	U	1.74	U	1.74	U	3.00	U	3.00	U	15.0	U	1.74	U	1.74	U	1.74	U	3.00	U	3.00	U	3.00	U	3.00	U	3.00	U	3.00	U	3.00	U	1.74	U	3.00	U	3.00	U	3.00	U
Naphthalene	µg/m3	-	-	-	-	-	-	1.05	U	1.05	U	5.23	U	-	-	-	-	-	-	1.05	U	1.05	U	1.05	U	1.05	U	1.05	U	1.05	U	1.05	U	-	-	1.05	U	1.05	U	1.05	U
n-Butylbenzene	µg/m3	-	-	-	-	-	-	1.00	U	1.00	U	5.00	U	-	-	-	-	-	-	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	-	-	1.00	U	1.00	U	1.00	U
o-Xylene	µg/m3	0.869	U	0.869	U	0.869	U	1.00	U	1.00	U	4.99	U	0.869	U	0.869	U	0.869	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.869	U	1.00	U	1.00	U	1.00	U
Propylene	µg/m3	-	-	-	-	-	-	1.00	U	1.00	U	5.01	U	-	-	-	-	-	-	1.00	U	1.00	U	1.00	U	1.00	U	**2.2**		1.00	U	**2.2**		-	-	1.00	U	1.00	U	1.00	U
sec-Butylbenzene	µg/m3	-	-	-	-	-	-	1.00	U	1.00	U	5.00	U	-	-	-	-	-	-	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	-	-	1.00	U	1.00	U	1.00	U
Styrene	µg/m3	0.852	U	**1.15**		0.852	U	1.00	U	1.00	U	4.98	U	**1.49**		**5.19**		0.852	U	**1.58**		1.00	U	**1.58**		**1.55**		**1.6**		**1.52**		**2.06**		0.852	U	1.00	U	1.00	U	1.00	U
Tert-Butyl Alcohol	µg/m3	1.52	U	1.52	U	1.52	U	-	-	-	-	-	-	1.52	U	1.52	U	1.52	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.52	U	-	-	-	-	-	-
Tetrachloroethene	µg/m3	**26.7**		**51.3**		**39.3**		**5.01**		**1.64**		1.25	U	**28.1**		**11.7**		**4.02**		**1.98**		0.25	U	**0.89**		**0.68**		**0.88**		**0.81**		**0.79**		**0.136**		**0.43**		0.25	U	0.25	U
Tetrahydrofuran	µg/m3	1.47	U	**1.52**		1.47	U	**3.86**		**2.98**		5.01	U	1.47	U	1.47	U	1.47	U	1.00	U	1.00	U	**2.79**		**1.00**	U	1.00	U	1.00	U	1.00	U	1.47	U	1.00	U	1.00	U	1.00	U	1.00	U
Toluene	µg/m3	0.754	U	**0.773**		0.754	U	**1.22**		1.00	U	5.01	U	**3.24**		**3.21**		0.754	U	**2.53**		1.00	U	1.00	U	1.00	U	**1.57**		**1.57**		**1.52**		0.754	U	1.00	U	1.00	U	**1.19**	
Trans-1,2-Dichloroethene	µg/m3	0.793	U	0.793	U	0.793	U	1.00	U	1.00	U	4.99	U	0.793	U	0.793	U	0.793	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.793	U	1.00	U	1.00	U	1.00	U
trans-1,3-Dichloropropene	µg/m3	0.908	U	0.908	U	0.908	U	1.00	U	1.00	U	4.99	U	0.908	U	0.908	U	0.908	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.908	U	1.00	U	1.00	U	1.00	U
Trichloroethene	µg/m3	0.107	U	1.07	U	1.07	U	0.2	U	**2.23**		**3.06**		**0.188**		0.107	U	0.107	U	0.11	U	0.11	U	0.20	U	0.2	U	0.20	U	0.20	U	0.20	U	0.107	U	0.11	U	0.2	U	0.20	U
Trichlorofluoromethane	µg/m3	1.12	U	1.12	U	**1.13**		**1.11**		**1.02**		5.00	U	1.12	U	1.12	U	**1.2**		**1.09**		**1.06**		**1.22**		**1.21**		**1.07**		**1.05**		**1.02**		1.12	U	**1.12**		**1.26**		**1.09**	
Trichlorotrifluoroethane	µg/m3	1.53	U	1.53	U	1.53	U	1.00	U	1.00	U	5.00	U	1.53	U	1.53	U	1.53	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.53	U	1.00	U	1.00	U	1.00	U
Vinyl Bromide	µg/m3	0.874	U	0.874	U	0.874	U	-	-	-	-	-	-	0.874	U	0.874	U	0.874	U	-	-	-	-	-	-	-	-	-	-	-	-	0.874	U	-	-	-	-	-	-
Vinyl Chloride	µg/m3	0.051	U	0.511	U	0.511	U	0.2	U	0.20	U	1.00	U	0.051	U	0.051	U	0.051	U	0.05	U	0.05	U	0.20	U	0.2	U	0.20	U	0.20	U	0.20	U	0.051	U	0.05	U	0.2	U	0.20	U

NOTES:
J - Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U - Analyte not detected at or above the level indicated
Bold - Indicates parameter was detected

APPENDICIES

APPENDIX A

NYSDEC Institutional and Engineering Controls Certification Form

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C243041**

Site Name Former CJ's Service Center Property

Site Address: 5801 Amboy Road Zip Code: 10309
City/Town: Staten Island
County: Richmond
Site Acreage: 0.375

Reporting Period: April 18, 2025 to April 18, 2026

	YES	NO
1. Is the information above correct?	✓	
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		✓
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		✓
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		✓
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?		✓

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	✓	
7. Are all ICs in place and functioning as designed?	✓	

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?		✓

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	✓	

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C243041

Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
28-6896-53	Shore to Shore Foster LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan IC/EC Plan

The property may be used for: Restricted Residential; and less restrictive uses, such as Commercial use. All ECs must be operated, maintained and inspected at a frequency and in a manner defined in the SMP. The use of groundwater underlying the property is prohibited without necessary water quality treatment. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP.

Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP. Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on the survey included in the Environmental Easement. Any potential impacts that are identified must be monitored or mitigated. Vegetable gardens and farming on the Site are prohibited, except in raised planters.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
28-6896-53	Vapor Mitigation Cover System Groundwater Containment Monitoring Wells

Site Cover (or Cap) Exposure to remaining contamination at the Site is prevented by a cover system placed over the Site. This cover system is comprised of a minimum of 24 inches of clean soil in landscaped areas, asphalt pavement, concrete-covered sidewalks, and concrete building slabs

Sealed Sheet Pile Containment Wall Around the Petroleum Source Area: A sealed sheet pile containment wall was installed around the petroleum source area of concern.

Parcel	Engineering Control
Sub-slab Depressurization System (SSDS): The active SSDS includes a network of perforated PVC pipes creating a vacuum influence beneath the Site building slab, which are connected to solid PVC piping and a 1.5 horsepower vacuum blower. A 20-mil vapor barrier was installed below the building foundation slab as a protective measure against soil vapor intrusion.	

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

   YES ✓ NO

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

   YES ✓ NO

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C243041

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Andrew Gonchar at 14 Foster Road Sinclairville 14782
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

4/7/2026
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Brad Summerville (print name) at 170 Keyland Court, Bohemia, NY 11716 (print business address),

am certifying as a Professional Engineer for the Owner (Owner or Remedial Party)



Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		5/19/26

APPENDIX B

Annual Site Inspection Checklist

SITE WIDE ANNUAL INSPECTION CHECKLIST
FORMER CJ's SERVICE CENTER, 5801 AMBOY ROAD, STATEN ISLAND, NY

				DATE: 4/8/26 COMPLETED BY: Angela DeVito
DESCRIPTION	**OK**	**ACTION REQ.**	**N/A**	**COMMENTS**
SITE COVER SYSTEM 1 Inspect site cover system for cracks and leaks.	✓			No Significant Cracks observed
SUB-SLAB DEPRESSURIZATION SYSTEM BLOWER **A. Aboveground Piping** 1 Inspect aboveground piping for cracks and leaks.	✓			No cracks / leaks observed
2 Inspect vacuum/pressure gauges for proper operation.	✓			No issues observed
B. Electrical 1 Check if electrical control panel is locked and secured.	✓			
2 Check if alarm lights are working properly.	✓			No alarm lights were observed
C. SSDS Blower Enclosure 1 Visual Inspection of exhaust fan, thermostat and louver.	✓			Blower enclosure observed to be in good condition
D. Moisture Knock-out Tank 1 Check blower filter conditions.	✓			Filter observed to be in good condition
2 Check dilution valve for noises or leaks.	✓			No noises/leaks observed
3 Check for presence of water in knockout tank	✓			1/2 gallon of water was drained from knockout tank; No sediment observed
E. Vapor Phase Granular Activated Carbon Units (if installed) 1 Inspect pressure gauges			✓	
2 Check for any leaks on fittings, piping, etc.			✓	
INSTITUTIONAL CONTROLS 1 Confirm that the Site usage is in compliance with the institutional controls	✓			Site use remains to be in compliance with IC based on field observations
SITE RECORDS 1 Inspect Site records and confirm that they are up to date (e.g., Site Inspection Checklist, SSDS Operations log, etc.)	✓			

	PID	Pressure
MP-1 ~~IA-1~~	0.0 ppm	-2.194 in WC
MP-2 ~~IA-2~~	N/A	N/A
MP-3 ~~IA-3~~	0.0 ppm	-0.821 in WC

Effluent PID : 0.0 ppm
Effluent Pressure : 830.1 FPM
Effluent Temperature : 68.0°F

Vapor point MP-2 ~~IA-2~~ observed to no longer be installed
— per Starbucks employee, ~~IA-2~~ MP-2 was removed during tile installation

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
631.269.8800 | 631.269.1599 facsimile
impactenvironmental.com

APPENDIX C

Annual Inspection Photograph Log



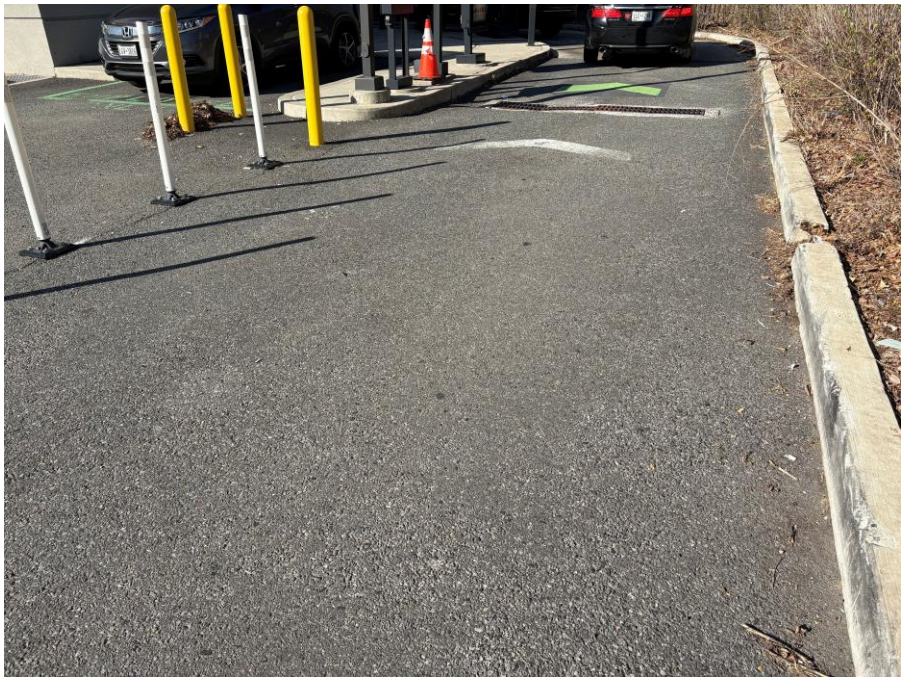
Photograph No. 1: View of Existing building and asphalt cover looking south.



Photograph No. 2: View of the interior area of the building.



Photograph No. 3: View of the main structure and drive thru area of the Subject Property.



Photograph No. 4: View of the asphalt cover in the drive thru area facing southwest.



Photograph No. 5: Additional view of the front of the building and paved parking lot facing north.



Photograph No. 6: View of the above grade SSDS PVC piping recently repaired and moisture separator.



Photograph No. 7: View of PID readings of 0.0 ppm collected from the effluent stack.



Photograph No. 8: Close up view of SSDS runtime meter, total hours at the time of the sitewide inspection.



Photograph No. 9: PID readings collected from MP-3.



Photograph No. 10. Vacuum readings at MP-3.



Photograph No. 11: View of the kitchen/storage area of the coffee shop.



Photograph No. 12. View of supplies stored in a hallway located in the rear portion of the building..

APPENDIX D

Groundwater/SSDS Monitoring/Laboratory Reports and DUSRs

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Impact
1099 Wall Street West, Suite 250B
Lyndhurst, NJ 07071
Attn: Mr. Luis Maldonado
lmaldonado@impactenvironmental.com

March 16, 2026

SUBJECT: 5801 Amboy Road, Staten Island, NY - Data Validation

Dear Mr. Maldonado,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on February 10, 2026. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #62283:

SDG #	Fraction
GCU98120	VOC
GCU98124	
GCV13321	
L2575357	

The data validation was performed under Category B guidelines. The analysis was validated using the following documents, as applicable to each method:

- USEPA Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C, SOP HW-24, Revision 4 (October 2014)
- USEPA Region 2 Analysis of Volatile Organic Compounds in Air Contained Canisters, SOP HW-31, Revision 6 (September 2016)
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-20-005 (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

LDC #62283 (Impact Enviromental - Lyndhurst, NJ / 5801 Amboy Road, Staten Island, NY)

LDC	SDG#	Received Date	(21) Due Date	Validation Level	VOCs (TO-15)	VOCs (8260D)
Matrix Type:					Air	Water
A	GCU98120	2/10/26	3/3/26	Category B	4	
B	GCU98124	2/10/26	3/3/26	Category B	3	
C	GCV13321	2/10/26	3/3/26	Category B	1	
D	L2575357	2/10/26	3/3/26	Category B		7
Total			PM: PG		**8**	**7**

Count ALL Samples
NYDUSR

Site:	5801 Amboy Road, Staten Island, NY
Laboratory:	Phoenix Environmental Laboratories, Inc., Manchester, CT
SDG:	GCU98120
Reviewer:	Felomina Tanguilig and Pei Geng/Laboratory Data Consultants for Impact Environmental - Bohemia, NY
Date:	March 10, 2026

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
IA-3	CU98120	VOC
IA-2	CU98121	VOC
AA-1	CU98122	VOC
IA-1	CU98123	VOC

Associated QC Samples(s):

Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed air samples were collected on December 16, 2025 and were analyzed for volatile organic compounds (VOC) by method TO-15. The data validation was performed in accordance with the USEPA Region 2 *Analysis of Volatile Organic Compounds in Air Contained Canisters*, SOP HW-31, Revision 6 (September 2016) and the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Laboratory Duplicate Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial calibration:

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 30.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Standard ID	Analyte	%D	Associated Samples	Validation Action
12/04/25	ICV Chem 20	Acrylonitrile	36	IA-3	UJ (all non-detects)
		1,4-Dioxane	31	IA-2	UJ (all non-detects)
				AA-1	
				IA-1	

Continuing calibration:

The percent differences (%D) were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Standard ID	Analyte	%D	Associated Samples	Validation Action
12/17/25	1216-23CCV	Benzyl chloride	45.3	IA-3 IA-2 AA-1 IA-1	UJ (all non-detects)

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Blanks

Contamination was not detected in the method blanks.

All canisters were cleaned as required by the method. The laboratory indicated that canister certification was performed by batch. No contaminants were found in the representative canister blank.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

All criteria were met.

Laboratory Duplicate Results

The laboratory has indicated that there were no duplicate (DUP) analyses specified for the samples in this SDG, and therefore duplicate analyses were not performed for this SDG.

LCS Results

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Analyte	%R (70-130)	Validation Action
819466-LCS (IA-3 IA-2 AA-1 IA-1)	Ethanol	133	J (all detects)
819466-LCS (IA-3 IA-2 AA-1 IA-1)	Propylene	56	J (all detects) UJ (all non-detects)

LCS ID (Associated Samples)	Analyte	%R (70-130)	Validation Action
819466-LCS (IA-3 IA-2 AA-1 IA-1)	2-Hexanone Acrylonitrile	131 153	None

No data were qualified due to high %R when the associated results were non-detected.

Field Duplicate Results

No field duplicates were identified in this SDG.

Internal Standards

All criteria were met.

Quantitation Limits and Data Assessment

No results were reported below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis.

Dilutions were not required for VOC analysis.

Sample Quantitation and Target Analyte Identification

Calculations were spot-checked; no discrepancies were noted.

All target analyte quantitations met validation criteria with the following exceptions:

Sample	Analyte	Finding	Criteria	Validation Action
IA-3 IA-2 IA-1	Ethanol Isopropyl alcohol	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of an analyte that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

VALIDATION COMPLETENESS WORKSHEET

LDC #: 62283A
SDG #: GCU98120
Laboratory: Phoenix Environmental Laboratories, Inc., Manchester, CT

Date: 2/12/2026
Page: 1
Reviewer: CF
2nd Reviewer:

Method: Volatiles (EPA TO-15)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample Receipt/Technical Holding Times	A/A	
II	GC/MS Instrument Performance Check	A	
III	Initial Calibration/ ICV	A/SW	%RSD ≤ 30 ICV ≤ 30
IV	Continuing Calibration	SW	CCV ≤ 30
V	Laboratory Blanks/Canister Blanks by Batch	A/A	
VI	Field Blanks	N	
VII	Surrogate	A	
VIII	Laboratory Duplicate	N	
IX	Laboratory Control Sample	SW	LCS
X	Field Duplicate	N	
XI	Internal standard	A	
XII	Target Analyte Quantitation	SW	NO Result < RL > MDL
XIII	Target Analyte Identification	A	
XIV	Leak Check Compound	N	
XV	Overall Assessment of Data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
+ 1	IA-3	CU98120		Air	12/16/2025	Category B
+ 2	IA-2	CU98121		Air	12/16/2025	Category B
3	AA-1	CU98122		Air	12/16/2025	Category B
4	IA-1	CU98123		Air	12/16/2025	Category B

Notes:

819466		

LDC #: 62483A

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: Volatiles (EPA Method TO-15)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was canister pressure criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 24 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30%?	✓			
IIIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after every ICAL for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 24 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?		✓		
V. Laboratory Blanks/Canister Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 24 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
Was a canister blank analyzed for every canister?	✓			
Was there contamination in the canister blanks?		✓		
VI. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VII. Surrogate spikes (Optional)				
Were all surrogate percent recoveries (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Laboratory Duplicate				
Was a laboratory duplicate analyzed for this SDG?			✓	
Were the relative percent differences (RPD) within the QC limits?			✓	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch for this SDG?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within ± 40% from the associated calibration standard?	✓			
Were retention times within ± 20.0 seconds from the associated calibration standard?	✓			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?			✓	
Did the laboratory provide before and after integration printouts?			✓	
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Leak check compounds				
Was a leak check compound used to evaluate sample integrity and included in the laboratory analyte list?			✓	
Was the leak check compound detected in the samples? If yes, please see leak check validation findings worksheet.			✓	
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. n-Octane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2. n-Decane
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2. Chlorodifluoromethane
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2. cis-Decahydronaphthalene
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2. trans-Decahydronaphthalene
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2. n-Nonane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2. n-Undecane
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2. Chloroprene
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2. n-Butanol
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2. n-Butyl acetate
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2. Nitrobenzene
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane	O2. Methyl bromide
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2. Methyl chloride
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2. Methyl iodide
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylene	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2. Methylene bromide
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

LDC #: 62283A

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Reviewer: EJ

METHOD: GC/MS VOA (EPA Method TO15)
A second source verification standard was analyzed after each ICAL for each instrument.
All analytes met the second source verification standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Analyte	%D (Limit ≤30%)	Associated samples	Qualifications
	12/4/25	ICV Chem 20	GGGG	36	All	J/UJ/P NP
			HHHH	31	↓	↓ ↓
	HHHH in SIM samples for this analyte reported from Sim					

	DOD	NFG
%D	30%	30%

LDC #: 62283A

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

METHOD: GC/MS VOA (EPA Method TO15)
Continuing calibration standards were analyzed at the required frequencies.
The retention times for all calibrated compounds were within their respective acceptance windows.
All analytes met the continuing calibration standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Compound	%D (Limit ≤30%)	RRF (Limits)	Associated samples	Qualifications
SVM	12/17/15 11:30	1216-23 CCV	MMMM	45.3		All	J/UJ/P ND

	DOD	NFG
%D	30%/30%	30%

LDC #: 62283A

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: EJ

METHOD: GC/MS VOA (EPA Method TO15)
Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method.
Percent recoveries (%R) and Relative percent differences (RPD) were within QC limits with the exceptions identified below.

LCS/LCSD	Analyte	LCS %R	LCSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
819466-LCS	Z	131		70-130			All	J(UJ)/P ND
	GGGG	153						ND
	WWW	133						All Det
	D1	56						
								J/UJ/P (ND+Det
	all	From full scan						

LDC #: 62483A

VALIDATION FINDINGS WORKSHEET
Target Analyte Quantitation and Reported RLs

Reviewer: __FT_____

METHOD: GC/MS VOA (EPA SW 846 Method ~~8260~~) TO15

The correct internal standard (IS), quantitation ion and relative response factor (RRF) were used to quantitate the compound.
The analyte quantitation and RLs were adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation
The reported results and quantitation limits for the target analyte identified below did not meet the project requirements.

#	Analyte	Finding	Associated samples	Qualifications
	WWW, DDDD	x'd cal Range	1, 2, 4	Jdet/P

Comments: _____

LDC #: 62283A

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GCMS TO15

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:
Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 1.0 ppbv)	Recalculated (RRF1.0 ppbv)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL Chem20	12/4/2025 SIM	B	1.0760	1.0760	1.1350	1.1350	14.42	14.42
			HHHH	0.1520	0.1520	0.1590	0.1590	18.25	18.25
			X	1.2470	1.2470	1.1430	1.1430	11.42	11.42

LDC #: 62283A

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: ____FT____

METHOD: GCMS TO15

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:
Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 5.0 ppbv)	Recalculated (RRF 20 ppbv)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL Chem20	12/4/2025	C	1.3450	1.3450	1.2770	1.2770	3.46	3.46
			CC	1.2690	1.2690	1.2120	1.2120	4.91	4.91
			EE	2.8450	2.8450	2.6550	2.6550	12.74	12.74

LDC # 62283A

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA Method TO15)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound,
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported % D	Recalculated %D
1	CCV	12/17/25 1130	C	1.2770	1.394	1.394	9.2	9.2
			CC	1.2120	1.210	1.210	0.2	0.2
			EE	2.6550	2.788	2.788	5.0	5.0

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported % D	Recalculated %D
1	↓ SIM	↓	B	1.1390	1.012	1.012	10.8	10.8
			HHHH	0.1590	0.145	0.145	8.8	8.8
			X	1.1430	1.125	1.125	1.6	1.6

LDC # 62283A

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

METHOD: GC/MS VOA (EPA Method TO15)

The percent recoveries (%R) of surrogate compounds were recalculated for the compounds identified below using the following calculation:

Surrogate Found = (Area surr) (Conc IS) / (Area IS) (average RRF surr)
%Recovery: Surrogate Found/Surrogate Spiked * 100

Sample: #2

Surrogate	Surrogate Spiked (ug/L)	Surrogate Found (ug/L)	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
1,2-Dichloroethane-d4					
Toluene-d8					
4-Bromofluorobenzene	10.0	10.361	104	104	0

LDC # 62283A

VALIDATION FINDINGS WORKSHEET
LCS Results Verification

METHOD: GC/MS VOA (EPA Method TO15)

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control duplicate were recalculated for the compounds identified below using the following calculation:

SSC = (Area spike) (Conc IS) / (Area IS) (average RRF spike)
%Recovery = 100 * SSC/SA

Where:
SSC = Spiked concentration
SA = Spike added
LCS = Laboratory control spike recovery
LCSD = Laboratory control spike duplicate recovery

RPD = | LCS - LCSD | * 2/(LCS + LCSD)

LCS/LCSD ID: 819466 (LCS)

Compound	SA (ppbv)		SSC (ppbv)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
1,1-Dichloroethene	10.1	NA	9.992	NA	100	100				
Trichloroethene			9.307		93	93				
Benzene			9.629		96	96				
Toluene			9.612		96	96				
Chlorobenzene			9.545		95	95				

LDC #: 62283A

VALIDATION FINDINGS WORKSHEET
Sample Results Verification

METHOD: TO15

Results for all Level IV samples reported with a positive detect were recalculated and verified using the following equation:

Final Conc = $\frac{\text{Conc} * Vp * DF}{VS}$

Where:
- Ax = Area or height of the peak for the compound to be measured
- DF = Dilution factor
- CF = Calibration factor from continuing calibration curve
- Vs = Volume of sample extracted in milliliters (mL)
- Vp = Purge Volume

#2 Toluene

Concentration = $\frac{(57421)(10.0)}{(1134507)(1.212)}$

= 0.4176 ppbv

MW = 92.14

Sample #	Analyte	Calculated Concentration ( )	Reported Concentration ( )	% Diff
#2	Toluene	0.4176 ppbv	0.418 ~~0.404~~ ppbv	
		1.5737 ug/m3	1.57 ~~1.52~~ F1 ug/m3	
		ug/m3 = (0.4176)(92.14)/(24.45)	= 1.5737 ug/m3	

Site:	5801 Amboy Road, Staten Island, NY
Laboratory:	Phoenix Environmental Laboratories, Inc., Manchester, CT
SDG:	GCU98124
Reviewer:	Felomina Tanguilig and Pei Geng/Laboratory Data Consultants for Impact Environmental - Bohemia, NY
Date:	March 10, 2026

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SS-3	CU98124	VOC
SS-1	CU98125	VOC
SS-2	CU98126	VOC

Associated QC Samples(s):

Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed air samples were collected on December 16, 2025 and were analyzed for volatile organic compounds (VOC) by method TO-15. The data validation was performed in accordance with the USEPA Region 2 *Analysis of Volatile Organic Compounds in Air Contained Canisters*, SOP HW-31, Revision 6 (September 2016) and the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Laboratory Duplicate Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial calibration:

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 30.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

Continuing calibration:

The percent differences (%D) were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Standard ID	Analyte	%D	Associated Samples	Validation Action
12/17/25	1216-02 CCV	Naphthalene	54.0	SS-3	UJ (all non-detects)
		1,2,4-Trichlorobenzene	37.0	SS-1 SS-2	UJ (all non-detects)

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Blanks

Contamination was not detected in the method blanks.

All canisters were cleaned as required by the method. The laboratory indicated that canister certification was performed by batch. No contaminants were found in the representative canister blank.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

All criteria were met.

Laboratory Duplicate Results

The laboratory has indicated that there were no duplicate (DUP) analyses specified for the samples in this SDG, and therefore duplicate analyses were not performed for this SDG.

LCS Results

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Analyte	%R (70-130)	Validation Action
819453-LCS (SS-3 SS-1 SS-2)	Acrylonitrile sec-Butylbenzene 1,2-Dichlorobenzene	133 134 143	None
819453-LCS (SS-3 SS-1 SS-2)	1,2,4-Trichlorobenzene	29	UJ (all non-detects)

No data were qualified due to high %Rs when the associated results were non-detected.

Field Duplicate Results

No field duplicates were identified in this SDG.

Internal Standards

All criteria were met.

Quantitation Limits and Data Assessment

No results were reported below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis.

Due to high target analyte levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
SS-3 SS-1 SS-2	5-fold dilution due to nature of sample matrix

Sample Quantitation and Target Analyte Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of an analyte that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

VALIDATION COMPLETENESS WORKSHEET

LDC #: 62283B
SDG #: GCU98124
Laboratory: Phoenix Environmental Laboratories, Inc., Manchester, CT

Date: 2/12/2026
Page: 1
Reviewer: CP
2nd Reviewer: CP

Method: Volatiles (EPA TO-15)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample Receipt/Technical Holding Times	A/Δ	
II	GC/MS Instrument Performance Check	A	
III	Initial Calibration/ ICV	A/Δ	%RSD ≤ 30, r ICV ≤ 30
IV	Continuing Calibration	SW	CCV ≤ 30
V	Laboratory Blanks/Canister Blanks per batch	A/Δ	
VI	Field Blanks	N	
VII	Surrogate	A	
VIII	Laboratory Duplicate	N	
IX	Laboratory Control Sample	SW	LCS
X	Field Duplicate	N	
XI	Internal standard	A	
XII	Target Analyte Quantitation Δ	~~NA~~	NJ Results < RL > MDL
XIII	Target Analyte Identification	Δ	
XIV	Leak Check Compound	N	
XV	Overall Assessment of Data	Δ	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = Not detected; NQ = Not qualified; FD = Field duplicate; FT = Field triplicate; TB = Trip blank; FB = Field blank; AB= Ambient blank; SB = Source blank; EB = Equipment blank; R = Rinsate

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	SS-3 5X	CU98124		Air	12/16/2025	Category B
2	SS-1 5X	CU98125		Air	12/16/2025	Category B
3	SS-2 5X	CU98126		Air	12/16/2025	Category B

Notes:

819453		

Note: ~~EEE~~ MMMM ICV from full scan failed. But passed from SIM. samples were reported from SIM

Method: Volatiles (EPA Method TO-15)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was canister pressure criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 24 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30%?	✓			
IIIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after every ICAL for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 24 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?		✓		
V. Laboratory Blanks/Canister Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 24 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
Was a canister blank analyzed for every canister?	✓			
Was there contamination in the canister blanks?		✓		
VI. Field Blanks				
Were field blanks identified in this SDG?			✓	
Were target analytes detected in the field blanks?			✓	
VII. Surrogate spikes (Optional)				
Were all surrogate percent recoveries (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Laboratory Duplicate				
Was a laboratory duplicate analyzed for this SDG?			✓	
Were the relative percent differences (RPD) within the QC limits?			✓	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch for this SDG?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within ± 40% from the associated calibration standard?	✓			
Were retention times within ± 20.0 seconds from the associated calibration standard?	✓			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?			✓	
Did the laboratory provide before and after integration printouts?			✓	
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Leak check compounds				
Was a leak check compound used to evaluate sample integrity and included in the laboratory analyte list?			✓	
Was the leak check compound detected in the samples? If yes, please see leak check validation findings worksheet.			✓	
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. n-Octane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2. n-Decane
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2. Chlorodifluoromethane
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2. cis-Decahydronaphthalene
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2. trans-Decahydronaphthalene
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2. n-Nonane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2. n-Undecane
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2. Chloroprene
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2. n-Butanol
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2. n-Butyl acetate
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2. Nitrobenzene
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane	O2. Methyl bromide
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2. Methyl chloride
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2. Methyl iodide
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylene	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2. Methylene bromide
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

LDC #: 62283B

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

METHOD: GC/MS VOA (EPA Method TO15)
Continuing calibration standards were analyzed at the required frequencies.
The retention times for all calibrated compounds were within their respective acceptance windows.
All analytes met the continuing calibration standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Compound	%D (Limit ≤30%)	RRF (Limits)	Associated samples	Qualifications
FW	12/17/25	1217_02 ccv	~~Z~~	~~26.0~~			
Full	1355		MMM	54.0		All	J/UJ/P ND
Sim			KKK	37.0		↓	↓ ↓

	DOD	NFG
%D	30%/30%	30%

LDC #: 62283B

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: _FT_____

METHOD: GC/MS VOA (EPA Method TO15)

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method.

Percent recoveries (%R) and Relative percent differences (RPD) were within QC limits with the exceptions identified below.

LCS/LCSD	Analyte	LCS %R	LCSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
Full								
819453-LCS	GGGG	133		70-130			All	J dw P ND
	~~MMMM~~	~~151~~		~~70-130~~			↓	↓ ↓
SIM	EEE	134						J dw P ND
	JJJ	143						J dw P
	KKK	29						J R P ↓
	all samples were reported from sim for MMMM, LCS passed from SIM.							
	all samples for EEE, JJJ, KKK were reported from sim							

LDC #: 62283B

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GCMS TO15

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:
Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 1.0 ppbv)	Recalculated (RRF1.0 ppbv)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL chem24	11/16/2025 SIM	B	0.9710	0.9710	1.0710	1.0710	7.41	7.41
			HHH	0.2180	0.2180	0.1840	0.1840	15.32	15.32
			X	1.9480	1.9480	1.7960	1.7960	8.66	8.66

LDC #: 62283B

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GCMS TO15

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:
Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 5.0 ppbv)	Recalculated (RRF 20 ppbv)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL Chem24	11/16/2025	C	0.9640	0.9640	1.0090	1.0090	6.48	6.48
			CC	1.0580	1.0580	1.0970	1.0970	5.38	5.38
			EE	2.9510	2.9510	2.8890	2.8890	4.95	4.95

LDC # 62283B

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA Method TO15)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound,
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported % D	Recalculated %D
1	CCV	12/17/15	C	1.0090	0.956	0.956	5.3	5.3
			CC	1.0970	1.088	1.088	0.8	0.8
	Full	1355	EE	2.8890	3019	3.019	4.5	4.5

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported % D	Recalculated %D
1	CCV	↓	B	1.0710	1.047	1.047	2.2	2.2
			HHH	0.1840	0.195	0.195	6.0	6.0
	SIM		X	1.7960	1.934	1.934	7.7	7.7

LDC # 62283B

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA Method TO15)

The percent recoveries (%R) of surrogate compounds were recalculated for the compounds identified below using the following calculation:

Surrogate Found = (Area surr) (Conc IS) / (Area IS) (average RRF surr)
%Recovery: Surrogate Found/Surrogate Spiked * 100

Sample: #2

Surrogate	Surrogate Spiked (ug/L)	Surrogate Found (ug/L)	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
1,2-Dichloroethane-d4					
Toluene-d8					
4-Bromofluorobenzene	10	10.191	102	102	0

LDC # 62283B

VALIDATION FINDINGS WORKSHEET
LCS Results Verification

METHOD: GC/MS VOA (EPA Method TO15)

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control duplicate were recalculated for the compounds identified below using the following calculation:

SSC = (Area spike) (Conc IS) / (Area IS) (average RRF spike)
%Recovery = 100 * SSC/SA

Where:
SSC = Spiked concentration
SA = Spike added
LCS = Laboratory control spike recovery
LCSD = Laboratory control spike duplicate recovery

RPD = | LCS - LCSD | * 2/(LCS + LCSD)

LCS/LCSD ID: SI9453 LCS

Compound	SA (ppbV)		SSC (ppbV)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
1,1-Dichloroethene	10	NA	10.31	NA	103	103				
Trichloroethene			10.77		108	108				
Benzene			10.46		105	105				
Toluene			11.32		113	113				
Chlorobenzene			11.07		111	111				

LDC #: 62283B

VALIDATION FINDINGS WORKSHEET
Sample Results Verification

METHOD: TO15

Results for all Level IV samples reported with a positive detect were recalculated and verified using the following equation:

Final Conc = $\frac{\text{Conc} * Vp * DF}{VS}$

Where:
- Ax = Area or height of the peak for the compound to be measured
- DF = Dilution factor
- CF = Calibration factor from continuing calibration curve
- Vs = Volume of sample extracted in milliters (mL)
- Vp = Purge Volume

#1 AA

Concentration = $\frac{(2157)(10.0)(5)}{(52\,1108)(0.742)}$

= 0.2789 ppbv

5X

Sample #	Analyte	Calculated Concentration ( )	Reported Concentration ( )	% Diff
#1	AA SIM	0.2789 ppbv 1.892 ug/m³	0.280 ppbv 1.90 ug/m³	
		ug/m³ = ~~0.0~~ $\frac{(0.2789)(165.83)}{(24.45)}$		= 1.892 ug/m³

Site:	5801 Amboy Road, Staten Island, NY
Laboratory:	Phoenix Environmental Laboratories, Inc., Manchester, CT
SDG:	GCV13321
Reviewer:	Felomina Tanguilig and Pei Geng/Laboratory Data Consultants for Impact Environmental - Bohemia, NY
Date:	March 10, 2026

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
EFFLUENT-1	CV13321	VOC

Associated QC Samples(s):

Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed air samples were collected on January 13, 2026 and were analyzed for volatile organic compounds (VOC) by method TO-15. The data validation was performed in accordance with the USEPA Region 2 *Analysis of Volatile Organic Compounds in Air Contained Canisters*, SOP HW-31, Revision 6 (September 2016) and the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Laboratory Duplicate Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial calibration:

The percent relative standard deviations (%RSD) were less than or equal to 30.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Standard ID	Analyte	%D	Associated Samples	Validation Action
12/25/25	ICV-Chem 39	Acrylonitrile	31	EFFLUENT-1	UJ (all non-detects)

Continuing calibration:

The percent differences (%D) were less than or equal to 30.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Blanks

Contamination was not detected in the method blanks.

All canisters were cleaned as required by the method. The laboratory indicated that canister certification was performed by batch. No contaminants were found in the representative canister blank.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

All criteria were met.

Laboratory Duplicate Results

The laboratory has indicated that there were no duplicate (DUP) analyses specified for the samples in this SDG, and therefore duplicate analyses were not performed for this SDG.

LCS Results

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Analyte	%R (70-130)	Validation Action
822 865-LCS (EFFLUENT-1)	Acrylonitrile Benzyl chloride	146 131	None

No data were qualified due to high %Rs when the associated results were non-detected.

Field Duplicate Results

No field duplicates were identified in this SDG.

Internal Standards

All criteria were met.

Quantitation Limits and Data Assessment

No results were reported below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis.

Due to high target analyte levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
EFFLUENT-1	5-fold dilution due to nature of sample matrix

Sample Quantitation and Target Analyte Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of an analyte that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

VALIDATION COMPLETENESS WORKSHEET

LDC #: 62283C
SDG #: GCV13321
Laboratory: Phoenix Environmental Laboratories, Inc., Manchester, CT

Date: 2/12/2026
Page: 1
Reviewer: M
2nd Reviewer: CT

Method: Volatiles (EPA TO-15)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample Receipt/Technical Holding Times	A/E	
II	GC/MS Instrument Performance Check	A	
III	Initial Calibration/ ICV	A/SW	%RSD ≤ 30 ICV ≤ 30 CCV ≤ 30
IV	Continuing Calibration	A	
V	Laboratory Blanks/Canister Blanks per batch	A/A	
VI	Field Blanks	N	
VII	Surrogate	A	
VIII	Laboratory Duplicate	N	
IX	Laboratory Control Sample	SW	LCS
X	Field Duplicate	N	
XI	Internal standard	A	
XII	Target Analyte Quantitation	A	ND Results < RL > MDL
XIII	Target Analyte Identification	A	
XIV	Leak Check Compound	N	
XV	Overall Assessment of Data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	EFFLUENT-1 SX	CV13321		Air	01/13/2026	Category B

Notes:

X22865-MB		

Method: Volatiles (EPA Method TO-15)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was canister pressure criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 24 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30%?	✓			
IIIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after every ICAL for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 24 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
V. Laboratory Blanks/Canister Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 24 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
Was a canister blank analyzed for every canister?	✓			
Was there contamination in the canister blanks?		✓		
VI. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VII. Surrogate spikes (Optional)				
Were all surrogate percent recoveries (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Laboratory Duplicate				
Was a laboratory duplicate analyzed for this SDG?			✓	
Were the relative percent differences (RPD) within the QC limits?			✓	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch for this SDG?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	*	✓		
Were target analytes detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within ± 40% from the associated calibration standard?	✓			
Were retention times within ± 20.0 seconds from the associated calibration standard?	✓			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?			✓	
Did the laboratory provide before and after integration printouts?			✓	
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Leak check compounds				
Was a leak check compound used to evaluate sample integrity and included in the laboratory analyte list?			✓	
Was the leak check compound detected in the samples? If yes, please see leak check validation findings worksheet.			✓	
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. n-Octane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2. n-Decane
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2. Chlorodifluoromethane
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2. cis-Decahydronaphthalene
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2. trans-Decahydronaphthalene
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2. n-Nonane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2. n-Undecane
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2. Chloroprene
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2. n-Butanol
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2. n-Butyl acetate
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2. Nitrobenzene
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane	O2. Methyl bromide
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2. Methyl chloride
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2. Methyl iodide
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylene	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2. Methylene bromide
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

LDC #: 62283C

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Reviewer: FS

METHOD: GC/MS VOA (EPA Method TO15)
A second source verification standard was analyzed after each ICAL for each instrument.
All analytes met the second source verification standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Analyte	%D (Limit ≤30%)	Associated samples	Qualifications
	12/25/15	ICV-chem39	GGGG	31	All	J/UJ/P (ND)

	DOD	NFG
%D	30%	30%

LDC #: 62283C

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

METHOD: GC/MS VOA (EPA Method TO15)

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method.

Percent recoveries (%R) and Relative percent differences (RPD) were within QC limits with the exceptions identified below.

LCS/LCSD	Analyte	LCS %R	LCSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
Full Scan 822865-LCS	GGGG	~~146~~ ~~131~~ 146		70-130			All	Jdet/P (ND)
SIM	MMMM	131		70-130			↓	Jdet/P (ND)

sample (~~GGGG~~ MMMM) reported from Sim

LDC# 62283C

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GCMS TO15

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:
Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 5.0 ppbv)	Recalculated (RRF 20 ppbv)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL Chem39	12/25/2025	F	3.2030	3.2030	3.4190	3.4190	11.52	11.52
			CC	1.0900	1.0900	1.1110	1.1110	4.81	4.81
			EE	2.8590	2.8590	2.7130	2.7130	6.68	6.68

LDC #: 62283C

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GCMS TO15

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:
Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 1.0 ppbv)	Recalculated (RRF1.0 ppbv)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL chem39	12/25/2025 SIM	B	1.1240	1.1240	1.1300	1.1300	7.94	7.94
			HHHH	0.2010	0.2010	0.1740	0.1740	14.80	14.80
			X	1.9240	1.9240	1.8230	1.8230	4.060	4.060

LDC # 62283C

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA Method TO15)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound,
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported % D	Recalculated %D
1	ccv	1/15/26	~~F~~ (F)	3.4190	3.843	3.843	12.4	12.4
			cc (CC)	1.1110	1.070	1.070	3.7	3.7
	chem 39	1506	~~EE~~ (EE)	2.713 U	2.602	2.602	4.1	4.1

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported % D	Recalculated %D
1	↓	↓	B	1.1300	1.091	1.091	3.5	3.5
			HHH	0.1740	0.169	0.169	2.9	2.9
			X	1.823U	1.880	1.880	3.1	3.1

LDC # 62283C

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA Method TO15)

The percent recoveries (%R) of surrogate compounds were recalculated for the compounds identified below using the following calculation:

Surrogate Found = (Area surr) (Conc IS) / (Area IS) (average RRF surr)
%Recovery: Surrogate Found/Surrogate Spiked * 100

Sample: #1

Surrogate	Surrogate Spiked (ug/L)	Surrogate Found (ug/L)	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
1,2-Dichloroethane-d4					
Toluene-d8					
4-Bromofluorobenzene	10.0	10.109	101	101	0

LDC # 622836

VALIDATION FINDINGS WORKSHEET
LCS Results Verification

METHOD: GC/MS VOA (EPA Method TO15)

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control duplicate were recalculated for the compounds identified below using the following calculation:

SSC = (Area spike) (Conc IS) / (Area IS) (average RRF spike)
%Recovery = 100 * SSC/SA

Where:
SSC = Spiked concentration
SA = Spike added
LCS = Laboratory control spike recovery
LCSD = Laboratory control spike duplicate recovery

RPD = | LCS - LCSD | * 2/(LCS + LCSD)

LCS/LCSD ID: 822865-LCS

Compound	SA (ppbv)		SSC (ppbv)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
1,1-Dichloroethene	10	NA	10.80	NA	108	108				
Trichloroethene			10.43		104	104				
Benzene			10.93		109	109				
Toluene			10.64		106	106				
Chlorobenzene			10.36		104	104				

LDC #: 62283C

VALIDATION FINDINGS WORKSHEET
Sample Results Verification

METHOD: TO15

Results for all Level IV samples reported with a positive detect were recalculated and verified using the following equation:

Final Conc = Conc *Vp*DF / VS

#1 F

Concentration = $\frac{20207\ (10.0)\ (5)}{92466\ (3.419)}$

= 3.19 ppbV

Where:
- Ax = Area or height of the peak for the compound to be measured
- DF = Dilution factor
- CF = Calibration factor from continuing calibration curve
- Vs = Volume of sample extracted in milliters (mL)
- Vp = Purge Volume

5X

Sample #	Analyte	Calculated Concentration ( )	Reported Concentration ( )	% Diff
1	F	3.20 ppbV 7.60 ug/m3	3.20 ppbV 7.60 ug/m3	
		ug/m3 = (3.19)(58.08)/(24.45)	= 7.574 ug/m3	

Site:	5801 Amboy Road, Staten Island, NY
Laboratory:	Pace Analytical Services, LLC, Westborough, MA
Report No.:	L2575357
Reviewer:	Felomina Tanguilig and Pei Geng/Laboratory Data Consultants for Impact Environmental - Bohemia, NY
Date:	March 11, 2026

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-19	L2575357-01	VOC
MW-20	L2575357-02	VOC
MW-11R	L2575357-03	VOC
MW-6	L2575357-04	VOC
FB-112425	L2575357-05	VOC
TB	L2575357-06	VOC
DUP-112425	L2575357-07	VOC

Associated QC Samples(s):
Field/Trip Blanks: FB-112425, TB
Field Duplicate pair: MW-19 and DUP-112425

The above-listed water samples were collected on November 21 through 24, 2025 and were analyzed for volatile organic compounds (VOC) by SW-846 method 8260D. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014) and the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial calibration:

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria with the following exceptions:

Date	Standard ID	Analyte	RRF (Limits)	Associated Samples	Validation Action
11/10/25	ICAL-Elaine	1,4-Dioxane	0.00178 (≥0.005)	MW-19 MW-20 MW-11R MW-6 FB-112425 TB DUP-112425	UJ (all non-detects)

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

Continuing calibration:

The percent differences (%D) were less than or equal to 20.0% for all analytes with the following exceptions:

Date	Standard ID	Analyte	%D	Associated Samples	Validation Action
12/05/25	WG2150931-Z CCV	Ethyl ether	22.0	MW-19	J (all detects)
		Carbon disulfide	21.6	MW-20	UJ (all non-detects)
		Methyl-tert-butyl ether	20.4	MW-11R	
		2-Butanone	25.5	MW-6	
		4-Methyl-2-pentanone	32.3	FB-112425	
		trans-1,3-Dichloropropene	25.1	TB	
		2-Hexanone	27.8	DUP-112425	
		Bromoform	21.8		
		1,2,3-Trichloropropane	21.5		
		Naphthalene	21.6		

All of the continuing calibration relative response factors (RRF) were within validation criteria with the following exceptions:

Date	Standard ID	Analyte	RRF (Limits)	Associated Samples	Validation Action
12/05/25	WG2150931-Z CCV	1,4-Dioxane	0.00169 (≥0.005)	MW-19 MW-20 MW-11R MW-6 FB-112425 TB DUP-112425	J (all detects) UJ (all non-detects)

Blanks

Contamination was not detected in the method blanks.

No positive results were found in the field blank sample FB-112425 and trip blank sample TB for VOC analysis.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

LCS Results

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

Relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Analyte	RPD (≤20)	Validation Action
WG2150931-LCS/D (MW-19 MW-20 MW-11R MW-6 FB-112425 TB DUP-112425)	Carbon disulfide	21	None

No data were qualified due to high RPD when the associated result was non-detected.

Field Duplicate Results

Samples MW-19 and DUP-112425 were identified as field duplicates. No results were detected in any of the samples.

Internal Standards

All criteria were met.

Quantitation Limits and Data Assessment

No results were reported below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis.

Due to high target analyte levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
MW-11R	5-fold dilution due to nature of sample matrix

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

VALIDATION COMPLETENESS WORKSHEET

LDC #: 62283D
SDG #: L2575357

Date: 2/12/2026
Page: 1

Laboratory: Pace Analytical Westborough, MA.
+ TIC
Method: Volatiles (EPA 8260D)

Reviewer: PD
2nd Reviewer: [signature]

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample Receipt/Technical Holding Times	A/A	
II	GC/MS Instrument Performance Check	A	
III	Initial Calibration/ ICV	SW/A	%RSD ≤ 20.0 r ICV ≤ 30
IV	Continuing Calibration	SW	CCV ≤ 20
V	Laboratory Blanks	A	
VI	Field Blanks	ND	FB = 5 TB = 6
VII	Surrogate	A	
VIII	Matrix Spike/Matrix Spike Duplicate	N	aa
IX	Laboratory Control Sample	SW	LCS ID
X	Field Duplicate	ND	D = 1, 7
XI	Internal standard	A	
XII	Target Analyte Quantitation	A	
XIII	Target Analyte Identification	A	
XIV	Overall Assessment of Data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	MW-19	L2575357-01		Water	11/24/2025	Category B
2	MW-20	L2575357-02		Water	11/24/2025	Category B
3	MW-11R 5X	L2575357-03		Water	11/24/2025	Category B
4	MW-6	L2575357-04		Water	11/24/2025	Category B
5	FB-112425	L2575357-05	FB	Water	11/24/2025	Category B
6	TB	L2575357-06	TB	Water	11/21/2025	Category B
7	DUP-112425	L2575357-07	FD	Water	11/24/2025	Category B

Notes:

W 92150931-5 Blank		

Method: Volatiles (EPA SW 846 Method 8260B) 0

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
III. Initial calibration & initial calibration verification				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 15% (20%) 15/30% and relative response factors (RRF) ≥ 0.05?	*	✓		
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≥ 20% (30%)?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) ≥ 0.05?		✓		
V. Laboratory blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?	✓			
Were target analytes detected in the field blanks?		✓		
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	

Method: Volatiles (EPA SW 846 Method 8260B)

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target analytes detected in the field duplicates?		✓		
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?			✓	
Did the laboratory provide before and after integration printouts?			✓	
XIV. Overall assessment of data				
Overall assessment of data was found to be acceptable.		✓		

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. n-Octane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2. n-Decane
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2. Chlorodifluoromethane
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2. cis-Decahydronaphthalene
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2. trans-Decahydronaphthalene
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2. n-Nonane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2. n-Undecane
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2. Chloroprene
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2. n-Butanol
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2. n-Butyl acetate
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2. Nitrobenzene
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane	O2. Methyl bromide
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2. Methyl chloride
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2. Methyl iodide
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylene	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2. Methylene bromide
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2. 1-Methylnaphthalene
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2. 3,3-Dimethyl-1-butanol
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2. Bromoethane
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2. Hexachloroethane
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2. Isobutanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2. Cyclohexanone
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

LDC #: 62283D

VALIDATION FINDINGS WORKSHEET
Initial Calibration

METHOD: GC/MS VOA (EPA SW 846 Method 8260 D)

A five point calibration curve was performed.
A linear fit was used for evaluation and acceptance criteria for each analyte was met.
A curve fit was used for evaluation and the r2 acceptance criteria of ≥ 0.99 was met.
Initial calibration was performed was at the required frequency.

Level IV Only

The retention time windows were properly established for all analytes.
All analytes were run at the required concentrations in the initial calibrations.
All criteria are met with the exceptions identified below.

#	Date	Standard ID	Analyte	%RSD (Limit ≤15%/20%%)	RRF (Limits)	Associated samples	Qualifications
	11/10/25	ICAL - Elaine	HHHH		0.00178 (I 0.005)	All	J/UJ/A ND

	DOD	NFG
RSD	15%	20%

RRF: 0.001 - poor performers 0.005 - 1,4-Dioxane 0.05 - all other analytes

LDC #: 62283D

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: ___FT_____

METHOD: GC/MS VOA (EPA SW 846 Method 8260 D)
Continuing calibration standards were analyzed at the required frequencies.
The retention times for all calibrated compounds were within their respective acceptance windows.
All analytes met the continuing calibration standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Analyte	%D (Limit ≤20%)	RRF (Limits)	Associated samples	Qualifications
	12/5/25	WG2150931-2	CCV LLLL	22		All	J/UJ/A (ND+RL)
	0732		G	21.6			
			LL	20.4			
			M	25.5			
			Y	32.3			
			W	25.1			
			Z	27.8			
			X	21.8			
			XX	21.5			
			MMM	21.6			
			HHHH		0.00169 (≥0.005)		

	DOD	NFG
%D	20%/50%	20%

RRF: 0.001 - poor performers 0.005 - 1,4-Dioxane 0.05 - all other analytes

LDC #: 62283D

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: MJ

METHOD: GC/MS VOA (EPA SW 846 Method 8260 D)

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method.
Percent recoveries (%R) and Relative percent differences (RPD) were within QC limits with the exceptions identified below.

LCS/LCSD	Analyte	LCS %R	LCSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
WG215093I-LCSD	G				21	20	All	J(+)/P (ND)

LDC #: 62293D

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: ____FT___

METHOD: GCMS 8260D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 10ug/L std)	Recalculated (RRF 10ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	11/10/2025	V	0.987	0.987	0.927	0.927	10.56	10.56
	Elaine		CC	0.784	0.784	0.742	0.742	6.35	6.35
			JJJ	1.283	1.283	1.230	1.230	9.74	9.74

LDC # 622830

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 D)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CCV)	Recalculated RRF (CCV)	Reported % D	Recalculated %D
1	CCV	12/5/23 0732	Y	0.927	0.957	0.957	3.2	3.2
			CC	0.742	0.741	0.741	0.1	0.1
			JJJ	1.230	1.219	1.219	0.9	0.9

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CCV)	Recalculated RRF (CCV)	Reported % D	Recalculated %D
1								

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CCV)	Recalculated RRF (CCV)	Reported % D	Recalculated %D
1								

LDC # 622830

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260 D)

The percent recoveries (%R) of surrogate compounds were recalculated for the compounds identified below using the following calculation:

Surrogate Found = (Area surr) (Conc IS) / (Area IS) (average RRF surr)
%Recovery: Surrogate Found/Surrogate Spiked * 100

Sample: #1

	Surrogate Spiked (ug/L	Surrogate Found (ug/L	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	11.342	113	113	0
1,2-Dichloroethane-d4		10.625	106	106	
Toluene-d8		9.527	95	95	
4-Bromofluorobenzene		9.872	99	99	

LDC # 62283D

VALIDATION FINDINGS WORKSHEET
LCS Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260 D)

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * SSC/SA

Where:
SSC = Spiked concentration
SA = Spike added

LCS = Laboratory control spike recovery
LCSD = Laboratory control spike duplicate recovery

RPD = | LCS - LCSD | * 2/(LCS + LCSD)

LCS/LCSD ID: WG2150931 - LCS 1D

Compound	SA (ug/L)		SSC (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
1,1-Dichloroethene	10.0	10.0	10	9.7	100	100	97	97	3	3
Trichloroethene			9.8	9.1	98	98	91	91	7	7
Benzene	↓	↓	10	9.7	100	100	97	97	3	3
Toluene			10	9.6	100	↓	96	96	4	4
Chlorobenzene			10	10	100		100	100	0	0

LDC #: 62283D

VALIDATION FINDINGS WORKSHEET
Sample Results Verification

METHOD: GCMS 8260 D

Results for all Level IV samples reported with a positive detect were recalculated and verified using the following equation:

Final Conc = Conc *Vp*DF / VS

Where:
- Ax = Area or height of the peak for the compound to be measured
- DF = Dilution factor
- CF = Calibration factor from continuing calibration curve
- Vs = Volume of sample extracted in milliliters (mL)
- Vp = Purge Volume

#3

Concentration = $\frac{(2115858)(10.0)(5)}{(2359772)(0.927)}$

= 483.6 ug/L

5X

Sample #	Analyte	Calculated Concentration (ug/L)	Reported Concentration (ug/L)	% Diff
3	V	483.6	480	



Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2575357

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Project Name: 5801 AMBOY RD STATEN ISLAND
Project Number: 17518

Lab Number: L2575357
Report Date: 12/11/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2575357-01	MW-19	WATER	5801 AMBOY RD STATEN ISLAND	11/24/25 10:50	11/25/25
L2575357-02	MW-20	WATER	5801 AMBOY RD STATEN ISLAND	11/24/25 11:30	11/25/25
L2575357-03	MW-11R	WATER	5801 AMBOY RD STATEN ISLAND	11/24/25 12:10	11/25/25
L2575357-04	MW-6	WATER	5801 AMBOY RD STATEN ISLAND	11/24/25 12:45	11/25/25
L2575357-05	FB-112425	WATER	5801 AMBOY RD STATEN ISLAND	11/24/25 14:10	11/25/25
L2575357-06	TB	WATER	5801 AMBOY RD STATEN ISLAND	11/21/25 00:00	11/25/25
L2575357-07	DUP-112425	WATER	5801 AMBOY RD STATEN ISLAND	11/24/25 10:55	11/25/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2575357-05: The collection date and time on the chain of custody was 24-NOV-25 14:10; however, the collection date/time on the container label was 24-NOV-25 14:05. The collection date/time is reported as 24-NOV-25 14:10.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelley Wolf Report Date: 12/11/25

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

ND or U - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Pace Job Number : L2575357

Received : 25-NOV-2025
Reviewer : Julie Convery

Account Name : Impact Environmental
Project Number : 17518
Project Name : 5801 AMBOY RD STATEN ISLAND

Delivery Information

Samples Delivered By : Client

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.4	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels? L2575357-05: 24-NOV-25 14:10 vs. 24-NOV-25 14:05	**YES**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 11 2025, 06:44 pm

Login Number: L2575357
Account: IMPENV-NJ Impact EnvironmentalProject: 17518
Received: 25NOV25 Due Date: 11DEC25

Sample #	Client ID	Mat	PR	Collected
L2575357-01	MW-19		1 S0	24NOV25 10:50

STD TAT 3-5 days; 1-day, 50%; 2-day, 25% 8260: Include TICs ASP-B Package Due Date: 12/11/25

ASP-B,NYTCL-8260

Sample #	Client ID	Mat	PR	Collected
L2575357-02	MW-20		1 S0	24NOV25 11:30

STD TAT 3-5 days; 1-day, 50%; 2-day, 25% 8260: Include TICs Package Due Date: 12/11/25

NYTCL-8260

Sample #	Client ID	Mat	PR	Collected
L2575357-03	MW-11R		1 S0	24NOV25 12:10

STD TAT 3-5 days; 1-day, 50%; 2-day, 25% 8260: Include TICs Package Due Date: 12/11/25

NYTCL-8260

Sample #	Client ID	Mat	PR	Collected
L2575357-04	MW-6		1 S0	24NOV25 12:45

STD TAT 3-5 days; 1-day, 50%; 2-day, 25% 8260: Include TICs Package Due Date: 12/11/25

NYTCL-8260

Sample #	Client ID	Mat	PR	Collected
L2575357-05	FB-112425		1 S0	24NOV25 14:10

STD TAT 3-5 days; 1-day, 50%; 2-day, 25% 8260: Include TICs Package Due Date: 12/11/25

NYTCL-8260

Sample #	Client ID	Mat	PR	Collected
L2575357-06	TB		1 S0	21NOV25 00:00

STD TAT 3-5 days; 1-day, 50%; 2-day, 25% 8260: Include TICs Package Due Date: 12/11/25

NYTCL-8260

Sample #	Client ID	Mat	PR	Collected
L2575357-07	DUP-112425		1 S0	24NOV25 10:55

STD TAT 3-5 days; 1-day, 50%; 2-day, 25% 8260: Include TICs Package Due Date: 12/11/25

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 11 2025, 06:44 pm

Login Number: L2575357
Account: IMPENV-NJ Impact EnvironmentalProject: 17518
Received: 25NOV25 Due Date: 11DEC25

Sample #	Client ID	Mat	PR	Collected

NYTCL-8260

Logged By: Marty Vitanza

NEW YORK CHAIN OF CUSTODY

Pace ANALYTICAL SERVICES

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Woodcliff Lake, NJ 07677: 123 Tice Blvd, Suite 101
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 11/25/25

Pace Job #: L2575357

Client Information
Client: Impact Environmental
Address: 1699 Wall St. W. Suite 238 Lyndhurst, NJ.
Phone:
Fax: [illegible]
Email: gmendezchicas@impactenvironmental.com

Project Information
Project Name: 5801 Amboy Rd Staten Island
Project Location: 5801 Amboy Rd Staten Island
Project # 17518
(Use Project name as Project #)
Project Manager: G. Mendez-Chicas
PACE Quote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [X] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[X] Other CAT B

Billing Information
[ ] Same as Client Info
PO #

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Pace [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

TCL VOC EPA 8260 Part 375 VOC+10

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottles

Sample Specific Comments

PACE Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC EPA 8260 Part 375 VOC+10	Sample Specific Comments
L2575357 01	MW-19	11/24/25	10:50	GW	LM	X	
02	MW-20		11:30			X	
03	MW 11R		12:10			X	
04	MW-6		12:45			X	
05	FB-112425		14:10			X	
06	TB	11/21/25	—	TB	IR	X	
07	DUP-112425	11/24/25	10:55	GW	LM	X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	11.25.25 1105	[signature] Pace	11.25.25 1105
[signature]	11.25.25 1410	NJSCSS	11.25.25 1410
NJSCSS	11.25.25 1735	[signature] NJSCSS	11/25/25 1735
[signature] 11/25/25	11/25/25 2350	[signature]	11/25/25 2350

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY PACE'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 29-Jan-2025)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: Impact Environmental
Project Name: 5801 AMBOY RD STATEN ISLAND

Lab Number: L2575357
Project Number: 17518
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-19 (L2575357-01)	106	95	99	113	0
MW-20 (L2575357-02)	112	96	103	119	0
MW-11R (L2575357-03D)	100	100	100	85	0
MW-6 (L2575357-04)	100	98	103	99	0
FB-112425 (L2575357-05)	99	93	103	115	0
TB (L2575357-06)	102	93	103	112	0
DUP-112425 (L2575357-07)	103	92	104	111	0
WG2150931-3LCS	100	97	92	98	0
WG2150931-4LCSD	103	98	91	104	0
WG2150931-5BLANK	100	93	100	111	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2150931-3 **Analysis Date** : 12/05/25 07:32	**File ID**	: VE251205A01
LCSD Sample ID	: WG2150931-4 **Analysis Date** : 12/05/25 07:56	**File ID**	: VE251205A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	11	110	10	10	100	10	70-130	20
1,1-Dichloroethane	10	11	110	10	11	110	0	70-130	20
Chloroform	10	10	100	10	9.6	96	4	70-130	20
Carbon tetrachloride	10	11	110	10	11	110	0	63-132	20
1,2-Dichloropropane	10	9.5	95	10	8.8	88	8	70-130	20
Dibromochloromethane	10	8.4	84	10	8.3	83	1	63-130	20
1,1,2-Trichloroethane	10	8.1	81	10	8.0	80	1	70-130	20
Tetrachloroethene	10	10	100	10	9.8	98	2	70-130	20
Chlorobenzene	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	10	10	100	10	9.4	94	6	62-150	20
1,2-Dichloroethane	10	9.9	99	10	9.6	96	3	70-130	20
1,1,1-Trichloroethane	10	11	110	10	10	100	10	67-130	20
Bromodichloromethane	10	9.6	96	10	9.2	92	4	67-130	20
trans-1,3-Dichloropropene	10	7.5	75	10	7.2	72	4	70-130	20
cis-1,3-Dichloropropene	10	9.4	94	10	9.1	91	3	70-130	20
1,1-Dichloropropene	10	9.9	99	10	9.5	95	4	70-130	20
Bromoform	10	7.8	78	10	7.4	74	5	54-136	20
1,1,2,2-Tetrachloroethane	10	8.4	84	10	8.2	82	2	67-130	20
Benzene	10	10	100	10	9.7	97	3	70-130	20
Toluene	10	10	100	10	9.6	96	4	70-130	20
Ethylbenzene	10	10	100	10	9.8	98	2	70-130	20
Chloromethane	10	9.9	99	10	8.6	86	14	64-130	20
Bromomethane	10	9.8	98	10	9.5	95	3	39-139	20
Vinyl chloride	10	12	120	10	11	110	9	55-140	20
Chloroethane	10	12	120	10	10	100	18	55-138	20
1,1-Dichloroethene	10	10	100	10	9.7	97	3	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2150931-3 **Analysis Date** : 12/05/25 07:32	**File ID**	: VE251205A01
LCSD Sample ID	: WG2150931-4 **Analysis Date** : 12/05/25 07:56	**File ID**	: VE251205A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	10	100	10	9.8	98	2	70-130	20
Trichloroethene	10	9.8	98	10	9.1	91	7	70-130	20
1,2-Dichlorobenzene	10	9.9	99	10	9.7	97	2	70-130	20
1,3-Dichlorobenzene	10	10	100	10	9.6	96	4	70-130	20
1,4-Dichlorobenzene	10	9.7	97	10	9.4	94	3	70-130	20
Methyl tert butyl ether	10	8.0	80	10	8.3	83	4	63-130	20
p/m-Xylene	20	20	100	20	20	100	0	70-130	20
o-Xylene	20	20	100	20	19	95	5	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	9.8	98	2	70-130	20
Dibromomethane	10	9.7	97	10	9.0	90	7	70-130	20
1,2,3-Trichloropropane	10	7.8	78	10	7.8	78	0	64-130	20
Acrylonitrile	10	8.3	83	10	8.9	89	7	70-130	20
Styrene	20	19	95	20	18	90	5	70-130	20
Dichlorodifluoromethane	10	12	120	10	11	110	9	36-147	20
Acetone	10	8.2	82	10	8.4	84	2	58-148	20
Carbon disulfide	10	12	120	10	9.7	97	21 Q	51-130	20
2-Butanone	10	7.5	75	10	7.3	73	3	63-138	20
Vinyl acetate	10	8.8	88	10	8.7	87	1	70-130	20
4-Methyl-2-pentanone	10	6.8	68	10	8.2	82	19	59-130	20
2-Hexanone	10	7.2	72	10	7.2	72	0	57-130	20
Bromochloromethane	10	12	120	10	11	110	9	70-130	20
2,2-Dichloropropane	10	11	110	10	11	110	0	63-133	20
1,2-Dibromoethane	10	8.1	81	10	8.0	80	1	70-130	20
1,3-Dichloropropane	10	8.1	81	10	8.0	80	1	70-130	20
1,1,1,2-Tetrachloroethane	10	9.6	96	10	8.6	86	11	64-130	20
Bromobenzene	10	9.5	95	10	9.6	96	1	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2150931-3 **Analysis Date** : 12/05/25 07:32	**File ID**	: VE251205A01
LCSD Sample ID	: WG2150931-4 **Analysis Date** : 12/05/25 07:56	**File ID**	: VE251205A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	9.8	98	10	8.9	89	10	53-136	20
sec-Butylbenzene	10	10	100	10	9.3	93	7	70-130	20
tert-Butylbenzene	10	10	100	10	9.0	90	11	70-130	20
o-Chlorotoluene	10	9.9	99	10	9.2	92	7	70-130	20
p-Chlorotoluene	10	10	100	10	9.3	93	7	70-130	20
1,2-Dibromo-3-chloropropane	10	8.3	83	10	8.0	80	4	41-144	20
Hexachlorobutadiene	10	12	120	10	11	110	9	63-130	20
Isopropylbenzene	10	9.7	97	10	8.9	89	9	70-130	20
p-Isopropyltoluene	10	10	100	10	9.0	90	11	70-130	20
Naphthalene	10	7.8	78	10	7.8	78	0	70-130	20
n-Propylbenzene	10	9.9	99	10	9.3	93	6	69-130	20
1,2,3-Trichlorobenzene	10	9.1	91	10	9.0	90	1	70-130	20
1,2,4-Trichlorobenzene	10	9.6	96	10	9.2	92	4	70-130	20
1,3,5-Trimethylbenzene	10	9.7	97	10	9.1	91	6	64-130	20
1,2,4-Trimethylbenzene	10	9.8	98	10	9.2	92	6	70-130	20
1,4-Dioxane	500	480	96	500	500	100	4	56-162	20
p-Diethylbenzene	10	9.7	97	10	9.1	91	6	70-130	20
p-Ethyltoluene	10	10	100	10	9.6	96	4	70-130	20
1,2,4,5-Tetramethylbenzene	10	8.7	87	10	8.1	81	7	70-130	20
Ethyl ether	10	7.8	78	10	8.1	81	4	59-134	20
trans-1,4-Dichloro-2-butene	10	8.0	80	10	7.6	76	5	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab Sample ID	: WG2150931-5	**Lab File ID**	: VE251205A05
Instrument ID	: ELAINE		
Matrix	: WATER	**Analysis Date**	: 12/05/25 09:08

Client Sample No.	Lab Sample ID	Analysis Date
WG2150931-3LCS	WG2150931-3	12/05/25 07:32
WG2150931-4LCSD	WG2150931-4	12/05/25 07:56
MW-19	L2575357-01	12/05/25 15:34
MW-20	L2575357-02	12/05/25 15:58
MW-11R	L2575357-03D	12/05/25 16:22
MW-6	L2575357-04	12/05/25 16:47
FB-112425	L2575357-05	12/05/25 17:11
TB	L2575357-06	12/05/25 17:35
DUP-112425	L2575357-07	12/05/25 17:59

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Instrument ID	: ELAINE	**Analysis Date**	: 11/10/25 19:57
Tune Standard	: WG2140152-1	**Tune File ID**	: VE251110NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.4
75	30.0 - 80.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.5 (.6)1
174	Greater than 50.0% of mass 95	79.6
175	5.0 - 9.0% of mass 174	5.7 (7.2)1
176	Greater than 95.0% but less than 101% of mass	76.3 (96)1
177	5.0 - 9.0% of mass 176	5 (6.5)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R2034683-1	VE251110N04	11/10/25 21:41
STD0.5PPB	R2034683-2	VE251110N05	11/10/25 22:05
STD2PPB	R2034683-4	VE251110N07	11/10/25 22:53
STD10PPB	R2034683-3	VE251110N09	11/10/25 23:42
STD30PPB	R2034683-5	VE251110N10	11/11/25 00:06
STD80PPB	R2034683-6	VE251110N11	11/11/25 00:30
STD120PPB	R2034683-7	VE251110N12	11/11/25 00:54
STD200PPB	R2034683-8	VE251110N13	11/11/25 01:18
Correlation Data Summary	R2034683-9	VE251110N18	11/11/25 03:19
ICV Quant Report	R2034683-9	VE251110N18	11/11/25 03:19

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Instrument ID	: ELAINE	**Analysis Date**	: 12/05/25 07:14
Tune Standard	: WG2150931-1	**Tune File ID**	: VE251205ABF2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.5
75	30.0 - 80.0% of mass 95	47
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1 (1.1)1
174	Greater than 50.0% of mass 95	85.3
175	5.0 - 9.0% of mass 174	6.1 (7.2)1
176	Greater than 95.0% but less than 101% of mass	81.5 (95.5)1
177	5.0 - 9.0% of mass 176	5.2 (6.4)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2150931-2CCAL	WG2150931-2	VE251205A01	12/05/25 07:32
WG2150931-3LCS	WG2150931-3	VE251205A01	12/05/25 07:32
WG2150931-4LCSD	WG2150931-4	VE251205A02	12/05/25 07:56
WG2150931-5BLANK	WG2150931-5	VE251205A05	12/05/25 09:08
MW-19	L2575357-01	VE251205A21	12/05/25 15:34
MW-20	L2575357-02	VE251205A22	12/05/25 15:58
MW-11R	L2575357-03D	VE251205A23	12/05/25 16:22
MW-6	L2575357-04	VE251205A24	12/05/25 16:47
FB-112425	L2575357-05	VE251205A25	12/05/25 17:11
TB	L2575357-06	VE251205A26	12/05/25 17:35
DUP-112425	L2575357-07	VE251205A27	12/05/25 17:59

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Instrument ID	: ELAINE	**Analysis Date**	: 12/05/25 07:32:00
Sample No	: WG2150931-2	**Lab File ID**	: VE251205A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2150931-2	195864	5.63	171189	9.12	98243	11.91
Upper Limit	391728	6.13	342378	9.62	196486	12.41
Lower Limit	97932	5.13	85595	8.62	49122	11.41
Sample ID						
WG2150931-3 LCS	195864	5.63	171189	9.12	98243	11.91
WG2150931-4 LCSD	203626	5.63	172557	9.12	101049	11.91
WG2150931-5 BLANK	169754	5.63	155628	9.13	83966	11.91
MW-19	165786	5.63	146658	9.13	80315	11.91
MW-20	157847	5.63	140237	9.13	76204	11.91
MW-11R	235972	5.63	170369	9.13	92243	11.91
MW-6	211576	5.63	169665	9.13	92313	11.91
FB-112425	178453	5.63	158072	9.13	83154	11.91
TB	173899	5.63	151174	9.13	80056	11.91
DUP-112425	171275	5.63	149732	9.13	78224	11.91

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 1

Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.21	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.24	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.2	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.33	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.

Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.43	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.22	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-01	Date Collected	: 11/24/25 10:50
Client ID	: MW-19	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 15:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A21	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-01	Date Collected	: 11/24/25 10:50
Client ID	: MW-19	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 15:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A21	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-01	Date Collected	: 11/24/25 10:50
Client ID	: MW-19	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 15:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A21	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: L2575357-01	**Date Collected**	: 11/24/25 10:50
Client ID	: MW-19	**Date Received**	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	**Date Analyzed**	: 12/05/25 15:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251205A21	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: L2575357-01	**Date Collected**	: 11/24/25 10:50
Client ID	: MW-19	**Date Received**	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	**Date Analyzed**	: 12/05/25 15:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251205A21	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-02	Date Collected	: 11/24/25 11:30
Client ID	: MW-20	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 15:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A22	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-02	Date Collected	: 11/24/25 11:30
Client ID	: MW-20	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 15:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A22	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-02	Date Collected	: 11/24/25 11:30
Client ID	: MW-20	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 15:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A22	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: L2575357-02	**Date Collected**	: 11/24/25 11:30
Client ID	: MW-20	**Date Received**	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	**Date Analyzed**	: 12/05/25 15:58
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251205A22	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: L2575357-02	**Date Collected**	: 11/24/25 11:30
Client ID	: MW-20	**Date Received**	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	**Date Analyzed**	: 12/05/25 15:58
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251205A22	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 2 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	2.03	1.43	J
	Total TIC Compounds		1.43J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-03D	Date Collected	: 11/24/25 12:10
Client ID	: MW-11R	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 16:22
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A23	Instrument ID	: ELAINE
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	12	3.5	U
75-34-3	1,1-Dichloroethane	ND	12	3.5	U
67-66-3	Chloroform	ND	12	3.5	U
56-23-5	Carbon tetrachloride	ND	2.5	0.67	U
78-87-5	1,2-Dichloropropane	ND	5.0	0.68	U
124-48-1	Dibromochloromethane	ND	2.5	0.74	U
79-00-5	1,1,2-Trichloroethane	ND	7.5	2.5	U
127-18-4	Tetrachloroethene	ND	2.5	0.90	U
108-90-7	Chlorobenzene	ND	12	3.5	U
75-69-4	Trichlorofluoromethane	ND	12	3.5	U
107-06-2	1,2-Dichloroethane	ND	2.5	0.66	U
71-55-6	1,1,1-Trichloroethane	ND	12	3.5	U
75-27-4	Bromodichloromethane	ND	2.5	0.96	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.82	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.72	U
542-75-6	1,3-Dichloropropene, Total	ND	2.5	0.72	U
563-58-6	1,1-Dichloropropene	ND	12	3.5	U
75-25-2	Bromoform	ND	10	3.2	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.84	U
71-43-2	Benzene	480	2.5	0.80	
108-88-3	Toluene	11	12	3.5	J
100-41-4	Ethylbenzene	55	12	3.5	
74-87-3	Chloromethane	ND	12	3.5	U
74-83-9	Bromomethane	ND	12	3.5	U
75-01-4	Vinyl chloride	ND	5.0	0.36	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-03D	Date Collected	: 11/24/25 12:10
Client ID	: MW-11R	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 16:22
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A23	Instrument ID	: ELAINE
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	12	3.5	U
75-35-4	1,1-Dichloroethene	ND	2.5	0.84	U
156-60-5	trans-1,2-Dichloroethene	ND	12	3.5	U
79-01-6	Trichloroethene	ND	2.5	0.88	U
95-50-1	1,2-Dichlorobenzene	ND	12	3.5	U
541-73-1	1,3-Dichlorobenzene	ND	12	3.5	U
106-46-7	1,4-Dichlorobenzene	ND	12	3.5	U
1634-04-4	Methyl tert butyl ether	18	12	0.83	
179601-23-1	p/m-Xylene	88	12	3.5	
95-47-6	o-Xylene	5.2	12	3.5	J
1330-20-7	Xylenes, Total	93	12	3.5	J
156-59-2	cis-1,2-Dichloroethene	ND	12	3.5	U
540-59-0	1,2-Dichloroethene, Total	ND	12	3.5	U
74-95-3	Dibromomethane	ND	25	5.0	U
96-18-4	1,2,3-Trichloropropane	ND	12	3.5	U
107-13-1	Acrylonitrile	ND	25	7.5	U
100-42-5	Styrene	ND	12	3.5	U
75-71-8	Dichlorodifluoromethane	ND	25	5.0	U
67-64-1	Acetone	ND	25	7.3	U
75-15-0	Carbon disulfide	ND	25	5.0	U
78-93-3	2-Butanone	ND	25	9.7	U
108-05-4	Vinyl acetate	ND	25	5.0	U
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	U
591-78-6	2-Hexanone	ND	25	5.0	U
74-97-5	Bromochloromethane	ND	12	3.5	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-03D	Date Collected	: 11/24/25 12:10
Client ID	: MW-11R	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 16:22
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A23	Instrument ID	: ELAINE
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	12	3.5	U
106-93-4	1,2-Dibromoethane	ND	10	3.2	U
142-28-9	1,3-Dichloropropane	ND	12	3.5	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	12	3.5	U
108-86-1	Bromobenzene	ND	12	3.5	U
104-51-8	n-Butylbenzene	11	12	3.5	J
135-98-8	sec-Butylbenzene	7.6	12	3.5	J
98-06-6	tert-Butylbenzene	ND	12	3.5	U
95-49-8	o-Chlorotoluene	ND	12	3.5	U
106-43-4	p-Chlorotoluene	ND	12	3.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	3.5	U
87-68-3	Hexachlorobutadiene	ND	12	3.5	U
98-82-8	Isopropylbenzene	42	12	3.5	
99-87-6	p-Isopropyltoluene	3.8	12	3.5	J
91-20-3	Naphthalene	100	12	3.5	
103-65-1	n-Propylbenzene	87	12	3.5	
87-61-6	1,2,3-Trichlorobenzene	ND	12	3.5	U
120-82-1	1,2,4-Trichlorobenzene	ND	12	3.5	U
108-67-8	1,3,5-Trimethylbenzene	27	12	3.5	
95-63-6	1,2,4-Trimethylbenzene	96	12	3.5	
123-91-1	1,4-Dioxane	ND	1200	300	U
105-05-5	p-Diethylbenzene	29	10	3.5	
622-96-8	p-Ethyltoluene	65	10	3.5	
95-93-2	1,2,4,5-Tetramethylbenzene	120	10	2.7	
60-29-7	Ethyl ether	ND	12	3.5	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: L2575357-03D	**Date Collected**	: 11/24/25 12:10
Client ID	: MW-11R	**Date Received**	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	**Date Analyzed**	: 12/05/25 16:22
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251205A23	**Instrument ID**	: ELAINE
Sample Amount	: 2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	12	3.5	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: L2575357-03D	**Date Collected**	: 11/24/25 12:10
Client ID	: MW-11R	**Date Received**	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	**Date Analyzed**	: 12/05/25 16:22
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251205A23	**Instrument ID**	: ELAINE
Sample Amount	: 2 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 11 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
000078-78-4	Butane, 2-methyl-	2.02	244	NJ
	Unknown	2.98	247	J
	Unknown	3.97	174	J
	Unknown	4.59	103	J
	Unknown	5.79	111	J
000496-11-7	Indane	12.09	486	NJ
	Unknown Benzene	12.56	240	J
	Unknown Aromatic	12.66	160	J
	Unknown Aromatic	13.20	132	J
	Unknown Aromatic	13.37	301	J
	Total TIC Compounds		2200J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-04	Date Collected	: 11/24/25 12:45
Client ID	: MW-6	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 16:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A24	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.21	0.50	0.16	J
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-04	Date Collected	: 11/24/25 12:45
Client ID	: MW-6	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 16:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A24	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	0.87	2.5	0.17	J
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.4	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-04	Date Collected	: 11/24/25 12:45
Client ID	: MW-6	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 16:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A24	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	1.6	2.5	0.70	J
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	1.2	2.5	0.70	J
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	0.85	2.0	0.70	J
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: L2575357-04	**Date Collected**	: 11/24/25 12:45
Client ID	: MW-6	**Date Received**	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	**Date Analyzed**	: 12/05/25 16:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251205A24	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: L2575357-04	**Date Collected**	: 11/24/25 12:45
Client ID	: MW-6	**Date Received**	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	**Date Analyzed**	: 12/05/25 16:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251205A24	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 11 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	2.60	2.56	J
000079-29-8	Butane, 2,3-dimethyl-	2.96	8.36	NJ
	Unknown	3.93	2.23	J
000565-59-3	Pentane, 2,3-dimethyl-	4.68	4.26	NJ
	Unknown Alkane	5.08	3.65	J
	Unknown	5.54	1.29	J
	Unknown	6.33	1.1	J
	Unknown Alkane	6.47	2.67	J
	Unknown	7.48	1.15	J
	Unknown Aromatic	12.66	1.93	J
	Total TIC Compounds		29.2J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-05	Date Collected	: 11/24/25 14:10
Client ID	: FB-112425	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 17:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A25	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-05	Date Collected	: 11/24/25 14:10
Client ID	: FB-112425	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 17:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A25	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-05	Date Collected	: 11/24/25 14:10
Client ID	: FB-112425	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 17:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A25	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: L2575357-05	**Date Collected**	: 11/24/25 14:10
Client ID	: FB-112425	**Date Received**	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	**Date Analyzed**	: 12/05/25 17:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251205A25	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: L2575357-05	**Date Collected**	: 11/24/25 14:10
Client ID	: FB-112425	**Date Received**	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	**Date Analyzed**	: 12/05/25 17:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251205A25	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 2 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	2.03	1.48	J
	Total TIC Compounds		1.48J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-06	Date Collected	: 11/21/25 00:00
Client ID	: TB	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 17:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A26	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-06	Date Collected	: 11/21/25 00:00
Client ID	: TB	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 17:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A26	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-06	Date Collected	: 11/21/25 00:00
Client ID	: TB	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 17:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A26	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: L2575357-06	**Date Collected**	: 11/21/25 00:00
Client ID	: TB	**Date Received**	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	**Date Analyzed**	: 12/05/25 17:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251205A26	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: L2575357-06	**Date Collected**	: 11/21/25 00:00
Client ID	: TB	**Date Received**	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	**Date Analyzed**	: 12/05/25 17:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251205A26	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-07	Date Collected	: 11/24/25 10:55
Client ID	: DUP-112425	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 17:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A27	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-07	Date Collected	: 11/24/25 10:55
Client ID	: DUP-112425	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 17:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A27	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: L2575357-07	Date Collected	: 11/24/25 10:55
Client ID	: DUP-112425	Date Received	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	Date Analyzed	: 12/05/25 17:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251205A27	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: L2575357-07	**Date Collected**	: 11/24/25 10:55
Client ID	: DUP-112425	**Date Received**	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	**Date Analyzed**	: 12/05/25 17:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251205A27	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: L2575357-07	**Date Collected**	: 11/24/25 10:55
Client ID	: DUP-112425	**Date Received**	: 11/25/25
Sample Location	: 5801 AMBOY RD STATEN ISLAND	**Date Analyzed**	: 12/05/25 17:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251205A27	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 2 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	2.03	1.14	J
	Total TIC Compounds		1.14J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: WG2150931-5	Date Collected	: NA
Client ID	: WG2150931-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/05/25 09:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VE251205A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: WG2150931-5	Date Collected	: NA
Client ID	: WG2150931-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/05/25 09:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VE251205A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: WG2150931-5	Date Collected	: NA
Client ID	: WG2150931-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/05/25 09:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VE251205A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	Project Number	: 17518
Lab ID	: WG2150931-5	Date Collected	: NA
Client ID	: WG2150931-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/05/25 09:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VE251205A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Impact Environmental	**Lab Number**	: L2575357
Project Name	: 5801 AMBOY RD STATEN ISLAND	**Project Number**	: 17518
Lab ID	: WG2150931-5	**Date Collected**	: NA
Client ID	: WG2150931-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/05/25 09:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE251205A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A21.D
Acq On : 5 Dec 2025 3:34 pm
Operator : ELAINE:MJV
Sample : L2575357-01,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 08 12:51:36 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.629	96	165786	10.000 ug/L	0.00
Standard Area 1 = 195864			Recovery = 84.64%		
63) Chlorobenzene-d5	9.127	117	146658	10.000 ug/L	0.00
Standard Area 1 = 171189			Recovery = 85.67%		
84) 1,4-Dichlorobenzene-d4	11.911	152	80315	10.000 ug/L	0.00
Standard Area 1 = 98243			Recovery = 81.75%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.843	113	51827	11.342 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.42%		
47) 1,2-Dichloroethane-d4	5.349	65	66146	10.625 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.25%		
64) Toluene-d8	7.306	98	186980	9.527 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.27%		
88) 4-Bromofluorobenzene	10.664	95	75580	9.872 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.72%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.450	85	41	N.D.	
3) Chloromethane	1.640	50	116	N.D.	
4) Vinyl chloride	1.654	62	43	N.D.	
5) Bromomethane	2.080	94	50	N.D.	
6) Chloroethane	2.007	64	308	0.084 ug/L	74
7) Trichlorofluoromethane	2.238	101	59	N.D.	
8) Ethyl ether	2.551	74	41	N.D.	
10) 1,1-Dichloroethene	2.709	96	54	N.D.	
11) Carbon disulfide	2.696	76	179	N.D.	
15) Methylene chloride	3.217	84	42	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.330	96	44	N.D.	
21) Methyl tert-butyl ether	3.430	73	82	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	3.824	53	43	N.D.	
29) Vinyl acetate	4.127	43	81	N.D.	
30) cis-1,2-Dichloroethene	4.444	96	56	N.D.	
31) 2,2-Dichloropropane	4.444	77	112	N.D.	
33) Bromochloromethane	4.571	128	54	N.D.	
35) Chloroform	4.734	83	41	Below Cal #	1

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A21.D
Acq On : 5 Dec 2025 3:34 pm
Operator : ELAINE:MJV
Sample : L2575357-01,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 08 12:51:36 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.743	117	45	N.D.		
40) 1,1,1-Trichloroethane	4.775	97	43	N.D.		
42) 2-Butanone	4.947	43	89	N.D.		
43) 1,1-Dichloropropene	4.988	75	47	N.D.		
45) Benzene	5.283	78	48	N.D.		
48) 1,2-Dichloroethane	5.401	62	53	N.D.		
52) Trichloroethene	0.000		0	N.D.	d	
54) Dibromomethane	0.000		0	N.D.		
55) 1,2-Dichloropropane	6.310	63	51	N.D.		
58) Bromodichloromethane	6.516	83	43	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	7.170	75	55	N.D.		
65) Toluene	7.367	92	63	N.D.		
66) 4-Methyl-2-pentanone	7.815	58	40	N.D.		
67) Tetrachloroethene	0.000		0	N.D.	d	
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	8.095	83	42	N.D.		
73) Chlorodibromomethane	8.249	129	46	N.D.		
74) 1,3-Dichloropropane	8.332	76	40	N.D.		
75) 1,2-Dibromoethane	8.547	107	63	N.D.		
77) 2-Hexanone	8.806	43	47	N.D.		
78) Chlorobenzene	9.188	112	70	N.D.		
79) Ethylbenzene	9.197	91	49	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.197	131	45	N.D.		
81) p/m Xylene	9.377	106	63	N.D.		
82) o Xylene	9.903	106	104	N.D.		
83) Styrene	10.096	104	62	N.D.		
85) Bromoform	0.000		0	N.D.	d	
87) Isopropylbenzene	10.483	105	58	N.D.		
89) Bromobenzene	0.000		0	N.D.		
90) n-Propylbenzene	10.963	91	49	N.D.		
92) 1,1,2,2-Tetrachloroethane	10.911	83	46	N.D.		
93) 4-Ethyltoluene	10.977	105	52	N.D.		
94) 2-Chlorotoluene	10.963	91	49	N.D.		
95) 1,3,5-Trimethylbenzene	11.043	105	42	N.D.		
96) 1,2,3-Trichloropropane	11.096	75	65	N.D.		
97) trans-1,4-Dichloro-2-b...	11.140	53	53	N.D.		
98) 4-Chlorotoluene	11.193	91	53	N.D.		
99) tert-Butylbenzene	11.435	119	50	N.D.		

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A21.D
Acq On : 5 Dec 2025 3:34 pm
Operator : ELAINE:MJV
Sample : L2575357-01,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 08 12:51:36 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.488	105	58		N.D.	
103) sec-Butylbenzene	11.712	105	45		N.D.	
104) p-Isopropyltoluene	11.805	119	44		N.D.	
105) 1,3-Dichlorobenzene	11.858	146	72		N.D.	
106) 1,4-Dichlorobenzene	11.924	146	131		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	12.272	91	40		N.D.	
109) 1,2-Dichlorobenzene	12.369	146	42		N.D.	
110) 1,2,4,5-Tetramethylben...	12.858	119	90		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	13.761	180	42		N.D.	
115) Naphthalene	14.069	128	43		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

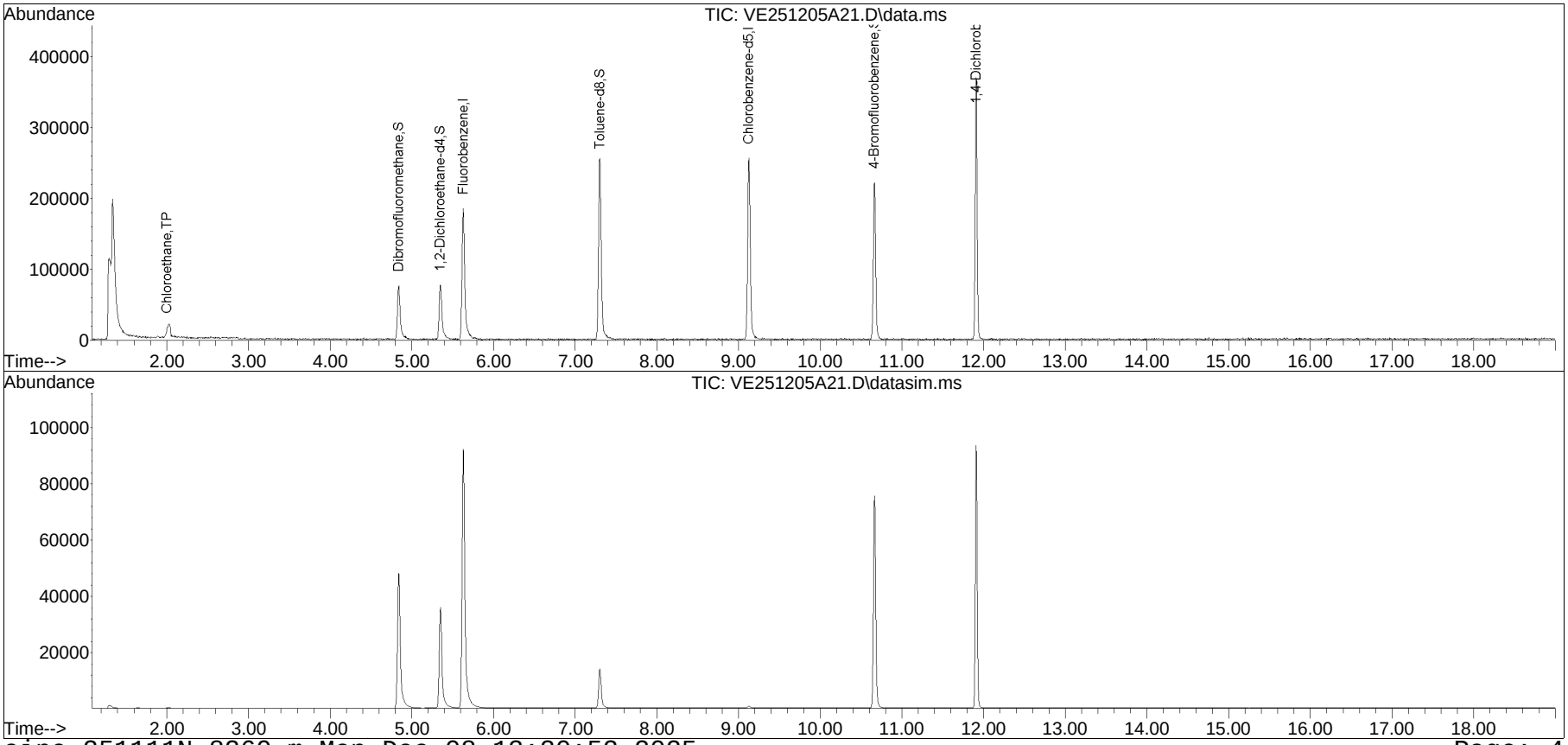
(#) = qualifier out of range (m) = manual integration (+) = signals summed

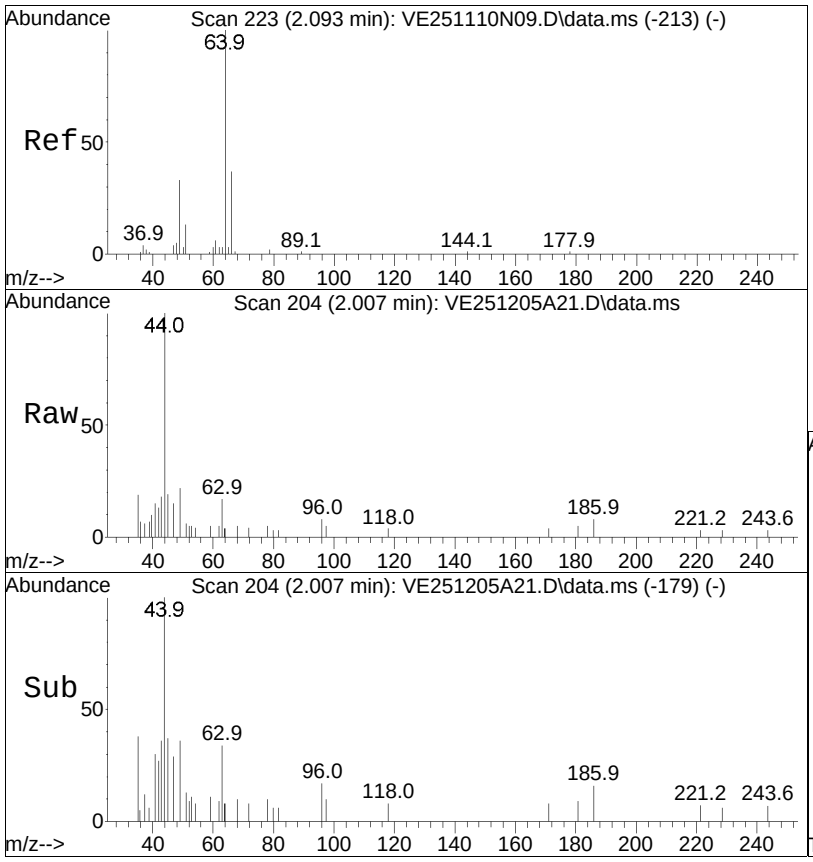
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A21.D
Acq On : 5 Dec 2025 3:34 pm
Operator : ELAINE:MJV
Sample : L2575357-01,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 08 12:51:36 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51205A01.D•

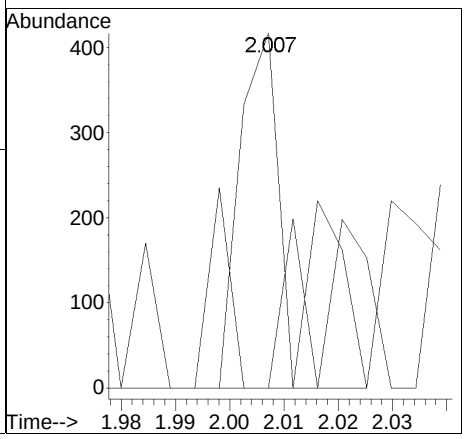




#6
Chloroethane
Concen: 0.08 ug/L
RT: 2.007 min Scan# 204
Delta R.T. -0.086 min
Lab File: VE251205A21.D
Acq: 5 Dec 2025 3:34 pm

Tgt Ion: 64 Resp: 308

Ion	Ratio	Lower	Upper
64	100		
66	17.5	12.2	52.2



Manual Integration Report

Data Path	: K:\Elaine\2025\251205A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251205A21.D	Operator	: ELAINE:MJV
Date Inj'd	: 12/5/2025 3:34 pm	Instrument	: Elaine
Sample	: L2575357-01,31,10,10,,A	Quant Date	: 12/5/2025 7:59 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A21.D
Acq On : 5 Dec 2025 3:34 pm
Operator : ELAINE:MJV
Sample : L2575357-01,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251205A21.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.030	194	209	221	rBV8	19871	62567	10.55%	2.038%
2	4.843	819	830	844	rBV2	76752	184051	31.03%	5.996%
3	5.349	933	943	962	rBV2	76970	191650	32.31%	6.244%
4	5.629	995	1007	1026	rBV2	185590	437990	73.85%	14.269%
5	7.301	1376	1388	1412	rBV2	255168	593085	100.00%	19.322%
6	9.127	1793	1804	1821	rBV2	256158	574011	96.78%	18.700%
7	10.664	2143	2154	2173	rBV2	221864	435960	73.51%	14.203%
8	11.906	2428	2436	2451	rBV	369011	590182	99.51%	19.227%

Sum of corrected areas: 3069496

Signal : TIC: VE251205A21.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

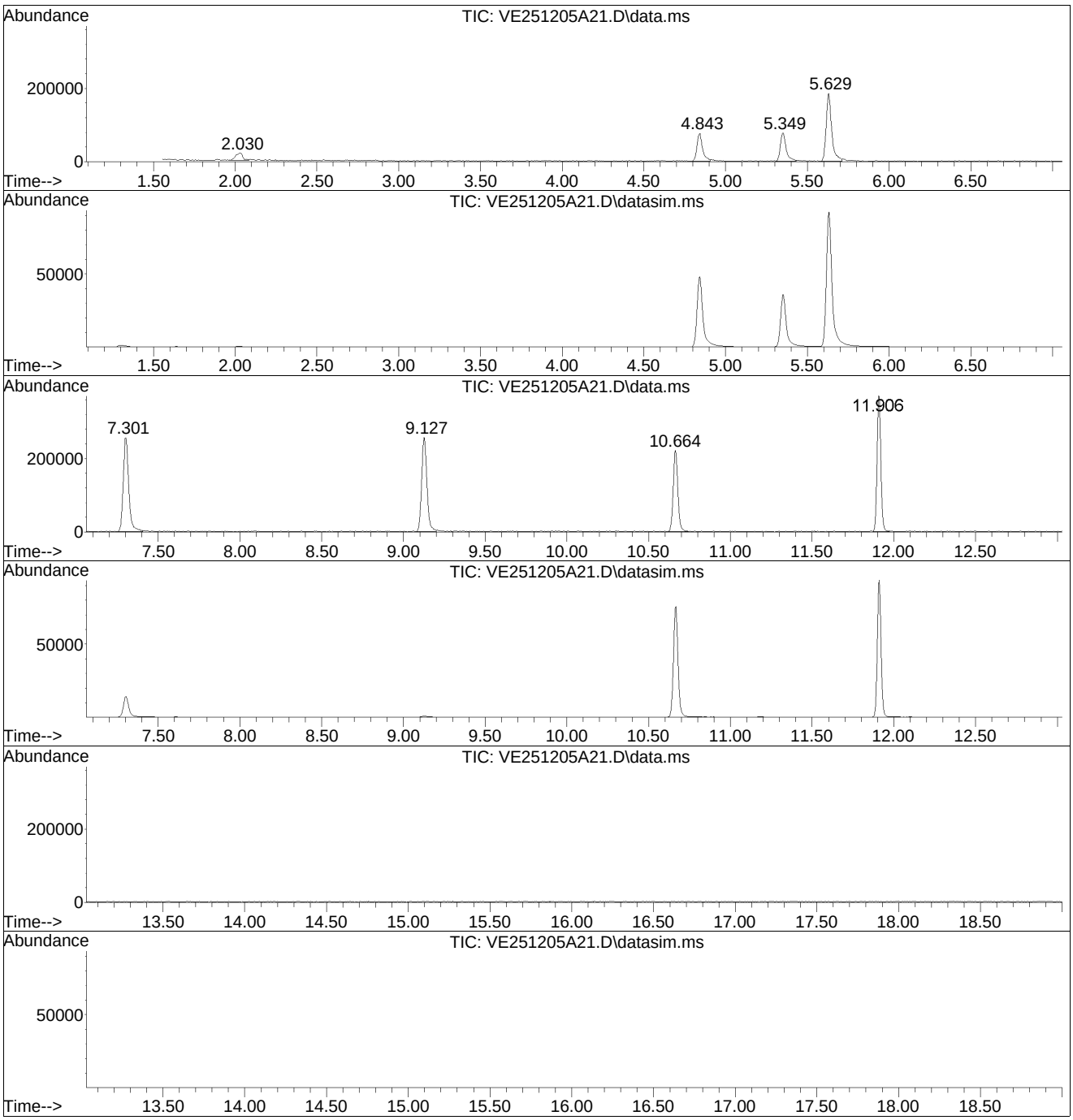
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A21.D
Acq On : 5 Dec 2025 3:34 pm
Operator : ELAINE:MJV
Sample : L2575357-01,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A21.D
Acq On : 5 Dec 2025 3:34 pm
Operator : ELAINE:MJV
Sample : L2575357-01,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A21.D
Acq On : 5 Dec 2025 3:34 pm
Operator : ELAINE:MJV
Sample : L2575357-01,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A22.D
Acq On : 5 Dec 2025 3:58 pm
Operator : ELAINE:MJV
Sample : L2575357-02,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 08 12:52:00 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.634	96	157847	10.000 ug/L	0.00
Standard Area 1 = 195864			Recovery = 80.59%		
63) Chlorobenzene-d5	9.127	117	140237	10.000 ug/L	0.00
Standard Area 1 = 171189			Recovery = 81.92%		
84) 1,4-Dichlorobenzene-d4	11.911	152	76204	10.000 ug/L	0.00
Standard Area 1 = 98243			Recovery = 77.57%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.847	113	51868	11.922 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 119.22%		
47) 1,2-Dichloroethane-d4	5.349	65	66100	11.152 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.52%		
64) Toluene-d8	7.306	98	179228	9.550 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.50%		
88) 4-Bromofluorobenzene	10.668	95	74531	10.260 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.60%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.500	85	48	N.D.	
3) Chloromethane	1.636	50	50	N.D.	
4) Vinyl chloride	1.554	62	111	N.D.	
5) Bromomethane	1.812	94	66	N.D.	
6) Chloroethane	2.057	64	108	N.D.	
7) Trichlorofluoromethane	2.179	101	45	N.D.	
8) Ethyl ether	2.469	74	104	N.D.	
10) 1,1-Dichloroethene	2.714	96	55	N.D.	
11) Carbon disulfide	2.696	76	128	N.D.	
15) Methylene chloride	3.212	84	48	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.357	96	53	N.D.	
21) Methyl tert-butyl ether	3.398	73	71	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	3.928	53	54	N.D.	
29) Vinyl acetate	4.127	43	61	N.D.	
30) cis-1,2-Dichloroethene	4.408	96	139	N.D.	
31) 2,2-Dichloropropane	4.544	77	43	N.D.	
33) Bromochloromethane	4.603	128	47	N.D.	
35) Chloroform	4.711	83	48	Below Cal #	13

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A22.D
Acq On : 5 Dec 2025 3:58 pm
Operator : ELAINE:MJV
Sample : L2575357-02,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 08 12:52:00 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.		
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	4.947	43	85	N.D.		
43) 1,1-Dichloropropene	4.983	75	96	N.D.		
45) Benzene	5.243	78	52	N.D.		
48) 1,2-Dichloroethane	0.000		0	N.D.		
52) Trichloroethene	5.801	95	71	N.D.		
54) Dibromomethane	6.226	93	46	N.D.		
55) 1,2-Dichloropropane	6.209	63	43	N.D.		
58) Bromodichloromethane	6.274	83	138	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	7.003	75	48	N.D.		
65) Toluene	7.297	92	41	N.D.		
66) 4-Methyl-2-pentanone	7.683	58	41	N.D.		
67) Tetrachloroethene	0.000		0	N.D.	d	
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	8.131	83	53	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
74) 1,3-Dichloropropane	8.223	76	83	N.D.		
75) 1,2-Dibromoethane	8.504	107	46	N.D.		
77) 2-Hexanone	8.815	43	51	N.D.		
78) Chlorobenzene	9.109	112	56	N.D.		
79) Ethylbenzene	9.179	91	134	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.276	131	42	N.D.		
81) p/m Xylene	9.377	106	86	N.D.		
82) o Xylene	9.916	106	43	N.D.		
83) Styrene	9.829	104	39	N.D.		
85) Bromoform	0.000		0	N.D.	d	
87) Isopropylbenzene	10.246	105	96	N.D.		
89) Bromobenzene	10.831	156	47	N.D.		
90) n-Propylbenzene	10.827	91	59	N.D.		
92) 1,1,2,2-Tetrachloroethane	10.941	83	47	N.D.		
93) 4-Ethyltoluene	10.968	105	56	N.D.		
94) 2-Chlorotoluene	10.999	91	51	N.D.		
95) 1,3,5-Trimethylbenzene	11.074	105	101	N.D.		
96) 1,2,3-Trichloropropane	11.021	75	49	N.D.		
97) trans-1,4-Dichloro-2-b...	11.113	53	43	N.D.		
98) 4-Chlorotoluene	11.184	91	53	N.D.		
99) tert-Butylbenzene	11.373	119	49	N.D.		

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A22.D
Acq On : 5 Dec 2025 3:58 pm
Operator : ELAINE:MJV
Sample : L2575357-02,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 08 12:52:00 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.514	105	44	N.D.		
103) sec-Butylbenzene	11.620	105	44	N.D.		
104) p-Isopropyltoluene	11.686	119	49	N.D.		
105) 1,3-Dichlorobenzene	11.897	146	46	N.D.		
106) 1,4-Dichlorobenzene	11.924	146	48	N.D.		
107) p-Diethylbenzene	12.166	119	75	N.D.		
108) n-Butylbenzene	12.193	91	40	N.D.		
109) 1,2-Dichlorobenzene	12.263	146	42	N.D.		
110) 1,2,4,5-Tetramethylben...	12.955	119	61	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113) Hexachlorobutadiene	0.000		0	N.D.	d	
114) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
115) Naphthalene	14.065	128	171	N.D.		
116) 1,2,3-Trichlorobenzene	14.224	180	58	N.D.		

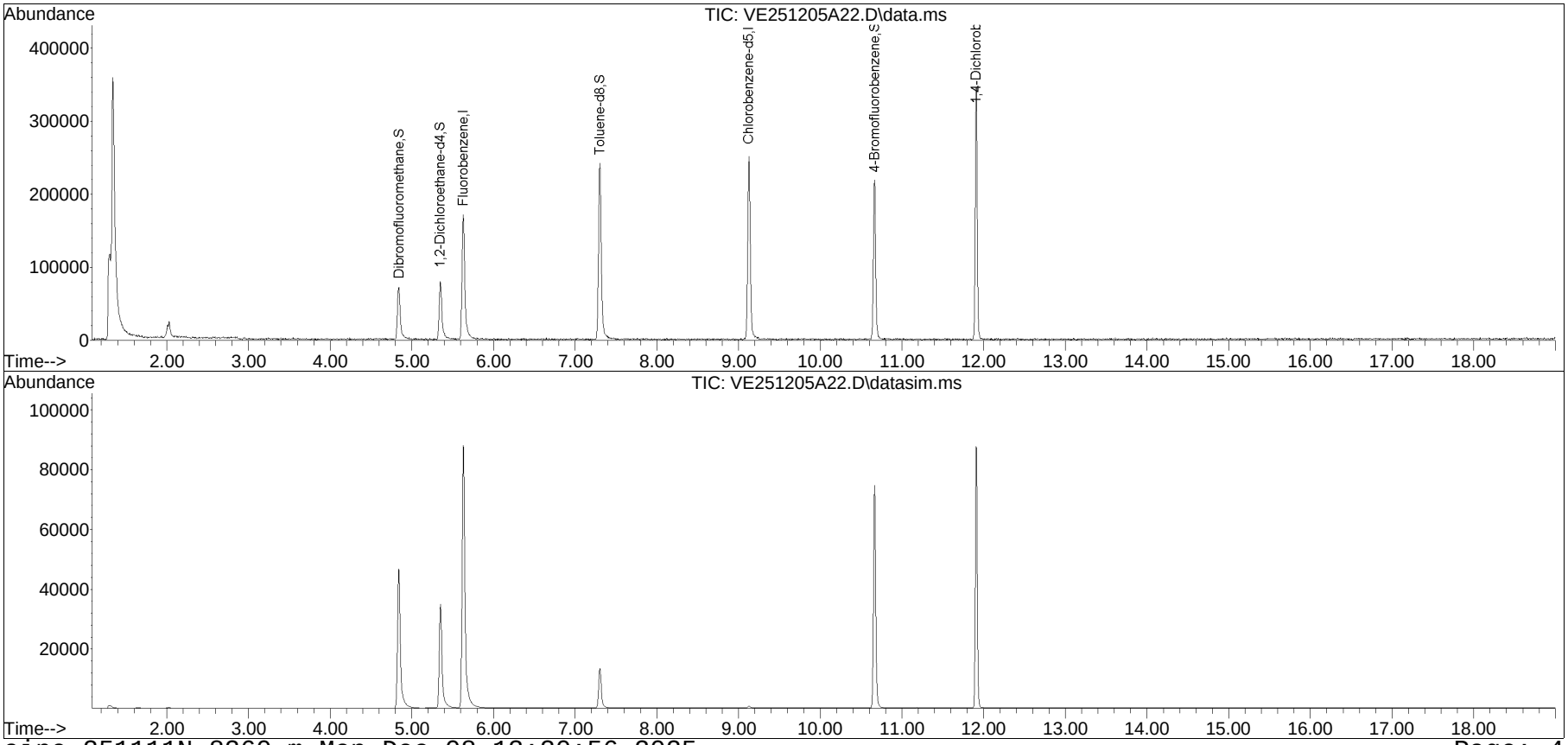
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A22.D
Acq On : 5 Dec 2025 3:58 pm
Operator : ELAINE:MJV
Sample : L2575357-02,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 08 12:52:00 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51205A01.D•



Manual Integration Report

Data Path	: K:\Elaine\2025\251205A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251205A22.D	Operator	: ELAINE:MJV
Date Inj'd	: 12/5/2025 3:58 pm	Instrument	: Elaine
Sample	: L2575357-02,31,10,10,,A	Quant Date	: 12/5/2025 7:59 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A22.D
Acq On : 5 Dec 2025 3:58 pm
Operator : ELAINE:MJV
Sample : L2575357-02,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251205A22.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.030	195	209	219	rBV7	22432	59283	10.18%	1.988%
2	4.843	819	830	854	rBV2	71423	182679	31.37%	6.124%
3	5.349	934	943	961	rBV2	79983	190156	32.66%	6.375%
4	5.629	995	1007	1033	rBV	170322	414814	71.24%	13.907%
5	7.301	1375	1388	1408	rBV2	241413	570718	98.01%	19.134%
6	9.131	1787	1805	1821	rBV	251564	562920	96.67%	18.872%
7	10.664	2144	2154	2173	rBV2	218286	419931	72.12%	14.078%
8	11.911	2425	2437	2450	rBV	345546	582291	100.00%	19.522%

Sum of corrected areas: 2982792

Signal : TIC: VE251205A22.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

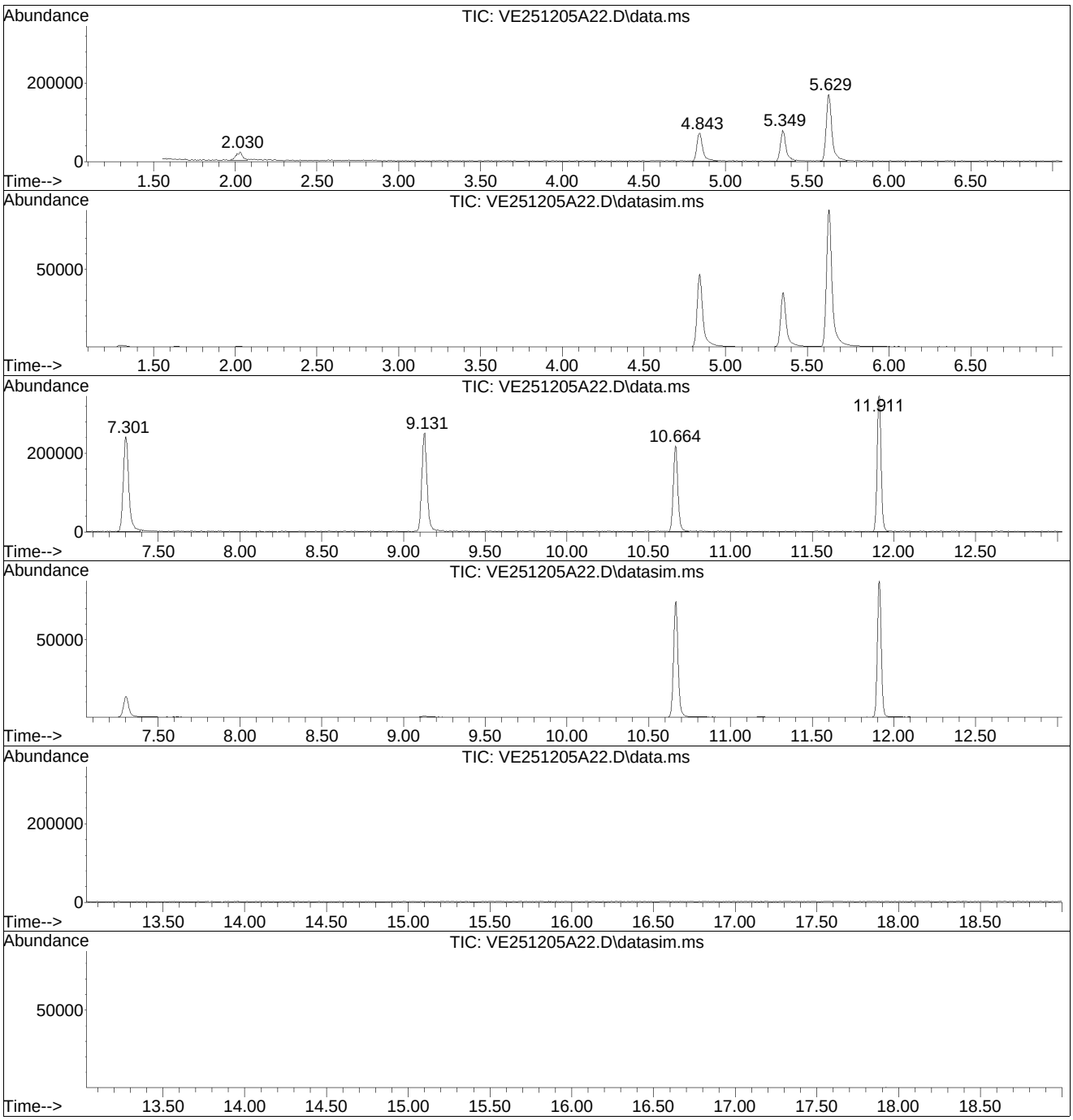
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A22.D
Acq On : 5 Dec 2025 3:58 pm
Operator : ELAINE:MJV
Sample : L2575357-02,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A22.D
Acq On : 5 Dec 2025 3:58 pm
Operator : ELAINE:MJV
Sample : L2575357-02,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

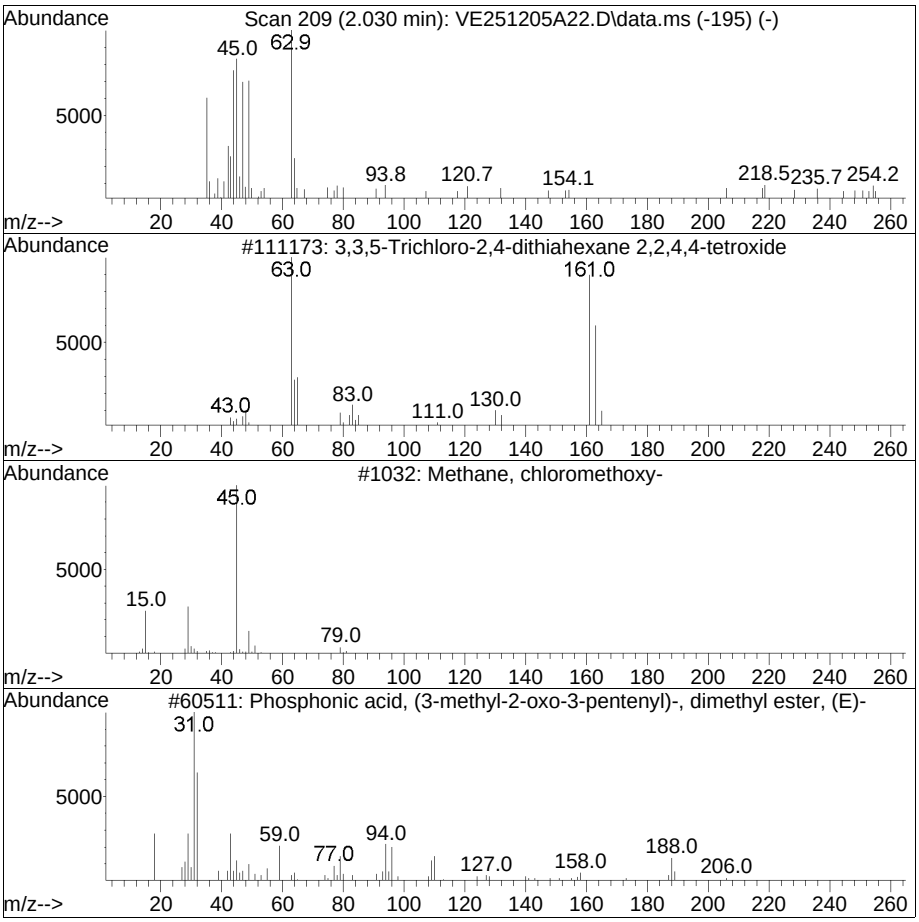
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

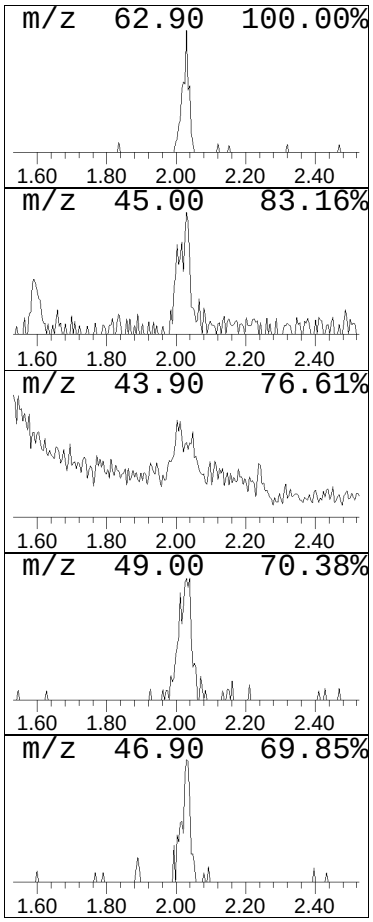
****

Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.030	1.43 ug/L	59283	Fluorobenzene	5.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3,5-Trichloro-2,4-dithiahexane...	288	C4H7Cl3O4S2	068483-82-9	23
2	Methane, chloromethoxy-	80	C2H5ClO	000107-30-2	9
3	Phosphonic acid, (3-methyl-2-oxo...	206	C8H15O4P	054543-04-3	9
4	Methane, bromochloro-	128	CH2BrCl	000074-97-5	9
5	Diethylpropion Hydrochloride	205	C13H19NO	000134-80-5	9





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A22.D
Acq On : 5 Dec 2025 3:58 pm
Operator : ELAINE:MJV
Sample : L2575357-02,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	2.030	1.4	ug/L	59283	1	5.634	414814	10.0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 08 12:53:18 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.634	96	235972	10.000 ug/L	0.00
Standard Area 1 = 195864			Recovery = 120.48%		
63) Chlorobenzene-d5	9.127	117	170369	10.000 ug/L	0.00
Standard Area 1 = 171189			Recovery = 99.52%		
84) 1,4-Dichlorobenzene-d4	11.906	152	92243	10.000 ug/L	0.00
Standard Area 1 = 98243			Recovery = 93.89%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.843	113	55262	8.497 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.97%		
47) 1,2-Dichloroethane-d4	5.353	65	88196	9.953 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.53%		
64) Toluene-d8	7.301	98	228071	10.003 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.03%		
88) 4-Bromofluorobenzene	10.668	95	88342	10.047 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.47%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.454	85	44	N.D.	
3) Chloromethane	1.550	50	318	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.093	94	45	N.D.	
6) Chloroethane	2.089	64	278	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	2.460	74	42	N.D.	
10) 1,1-Dichloroethene	2.496	96	42	N.D.	
11) Carbon disulfide	2.705	76	346	N.D.	
15) Methylene chloride	0.000		0	N.D. d	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.380	96	50	N.D.	
21) Methyl tert-butyl ether	3.430	73	41322	3.539 ug/L #	1
25) 1,1-Dichloroethane	3.887	63	200	N.D.	
27) Acrylonitrile	0.000		0	N.D. d	
29) Vinyl acetate	0.000		0	N.D. d	
30) cis-1,2-Dichloroethene	4.403	96	234	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D. d	
33) Bromochloromethane	4.512	128	48	N.D.	
35) Chloroform	0.000		0	N.D. d	

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 08 12:53:18 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.743	117	54	N.D.		
40) 1,1,1-Trichloroethane	4.820	97	53	N.D.		
42) 2-Butanone	0.000		0	N.D.	d	
43) 1,1-Dichloropropene	4.956	75	208	N.D.		
45) Benzene	5.217	78	2115858	96.721	ug/L	98
48) 1,2-Dichloroethane	5.428	62	251	N.D.		
52) Trichloroethene	0.000		0	N.D.	d	
54) Dibromomethane	0.000		0	N.D.	d	
55) 1,2-Dichloropropane	6.323	63	219	N.D.		
58) Bromodichloromethane	6.397	83	228	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	7.047	75	54	N.D.		
65) Toluene	7.363	92	28421	2.248	ug/L	86
66) 4-Methyl-2-pentanone	7.779	58	70	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
73) Chlorodibromomethane	8.223	129	45	N.D.		
74) 1,3-Dichloropropane	8.354	76	42	N.D.		
75) 1,2-Dibromoethane	8.644	107	204	N.D.		
77) 2-Hexanone	0.000		0	N.D.	d	
78) Chlorobenzene	9.149	112	45	N.D.		
79) Ethylbenzene	9.188	91	291276	11.032	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.232	131	47	N.D.		
81) p/m Xylene	9.372	106	181320	17.584	ug/L	93
82) o Xylene	9.912	106	10598	1.037	ug/L	95
83) Styrene	9.991	104	63	N.D.		
85) Bromoform	0.000		0	N.D.	d	
87) Isopropylbenzene	10.329	105	228606	8.511	ug/L	98
89) Bromobenzene	10.668	156	41	N.D.		
90) n-Propylbenzene	10.831	91	587279	17.357	ug/L	99
92) 1,1,2,2-Tetrachloroethane	10.919	83	117	N.D.		
93) 4-Ethyltoluene	10.963	105	345521	13.092	ug/L	99
94) 2-Chlorotoluene	0.000		0	N.D.	d	
95) 1,3,5-Trimethylbenzene	11.065	105	126970	5.369	ug/L	99
96) 1,2,3-Trichloropropane	0.000		0	N.D.	d	
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d	
98) 4-Chlorotoluene	0.000		0	N.D.	d	
99) tert-Butylbenzene	11.417	119	5064	0.264	ug/L #	32

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 08 12:53:18 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.496	105	451381	19.137	ug/L	97
103) sec-Butylbenzene	11.607	105	44446	1.514	ug/L #	68
104) p-Isopropyltoluene	11.765	119	18493M1	0.752	ug/L	
105) 1,3-Dichlorobenzene	11.823	146	56	N.D.		
106) 1,4-Dichlorobenzene	11.915	146	189	N.D.		
107) p-Diethylbenzene	12.153	119	83875M3	5.764	ug/L	
108) n-Butylbenzene	12.210	91	53306	2.225	ug/L #	85
109) 1,2-Dichlorobenzene	12.250	146	64	N.D.		
110) 1,2,4,5-Tetramethylben...	12.955	119	574152	23.337	ug/L	99
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D. d		
113) Hexachlorobutadiene	0.000		0	N.D. d		
114) 1,2,4-Trichlorobenzene	13.779	180	71	N.D.		
115) Naphthalene	14.069	128	315760	20.616	ug/L	100
116) 1,2,3-Trichlorobenzene	14.250	180	40	N.D.		

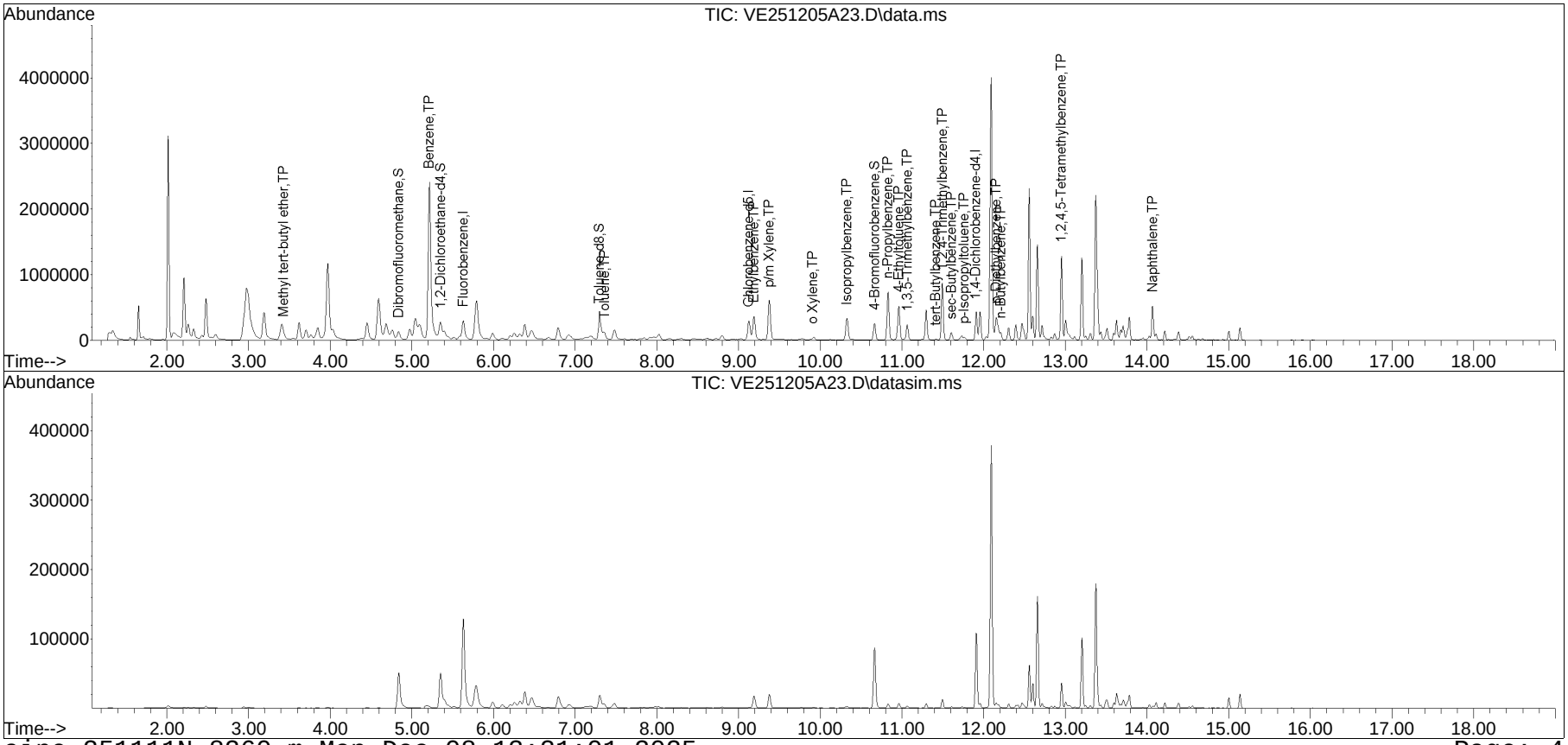
(#) = qualifier out of range (m) = manual integration (+) = signals summed

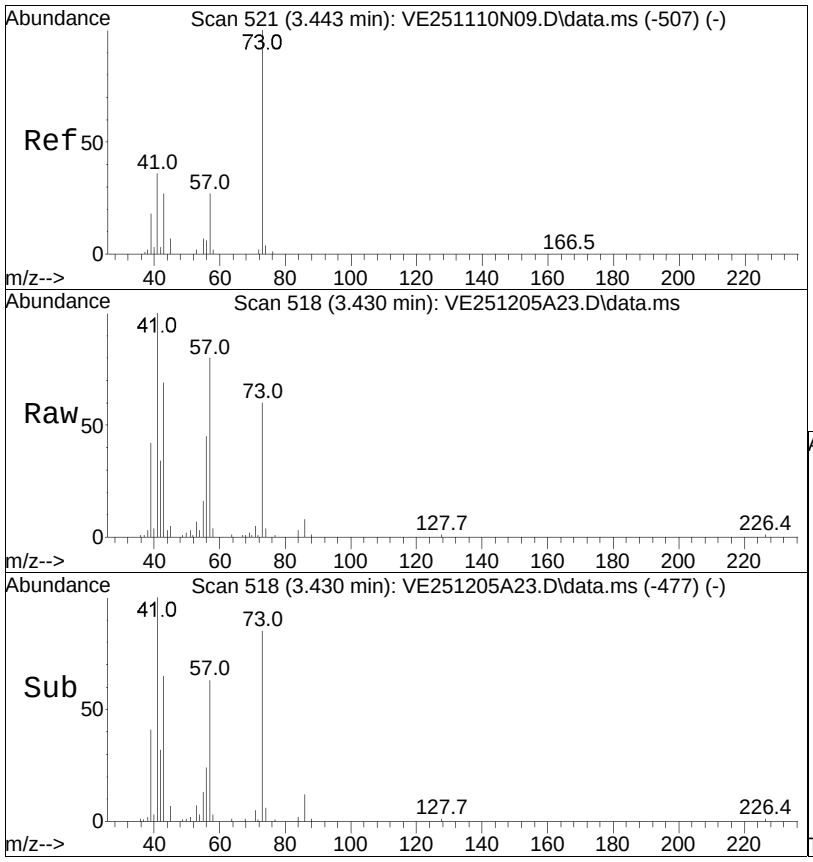
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 08 12:53:18 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51205A01.D•

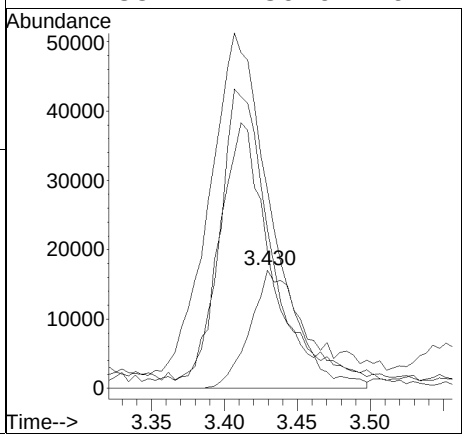


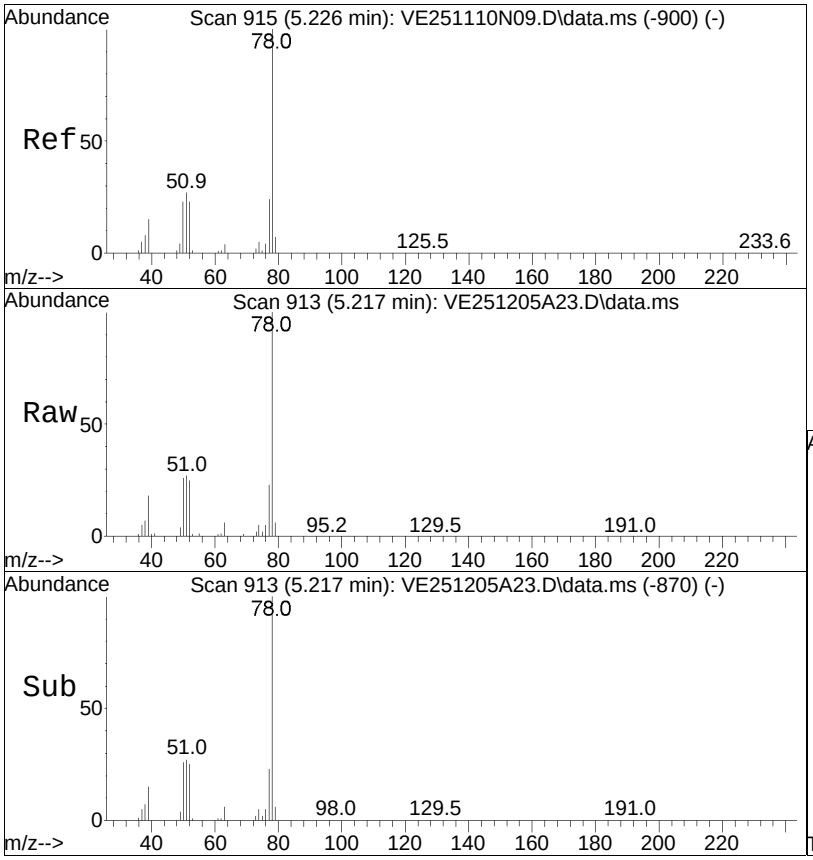


#21
Methyl tert-butyl ether
Concen: 3.54 ug/L
RT: 3.430 min Scan# 518
Delta R.T. -0.014 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion: 73 Resp: 41322

Ion	Ratio	Lower	Upper
73	100		
57	244.7	21.3	44.1#
43	220.5	0.0	0.0#
41	354.1	30.0	62.2#

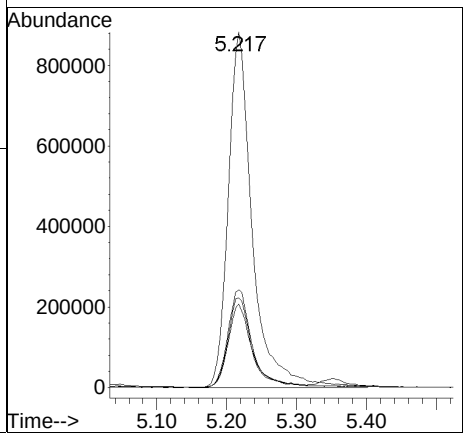


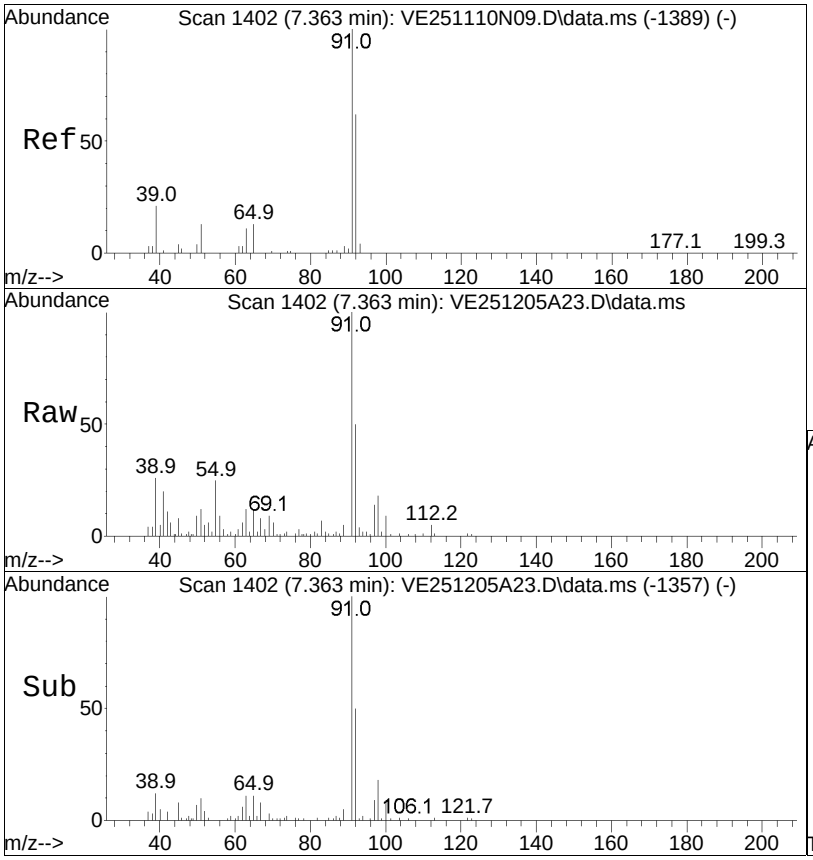


#45
Benzene
Concen: 96.72 ug/L
RT: 5.217 min Scan# 913
Delta R.T. -0.009 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion: 78 Resp: 2115858

Ion	Ratio	Lower	Upper
78	100		
77	23.4	15.7	32.7
51	27.4	17.1	35.5
52	25.7	16.2	33.6

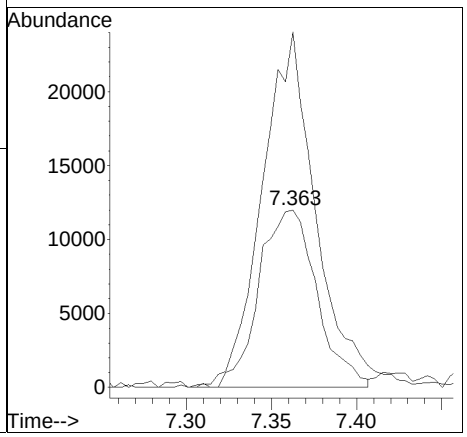


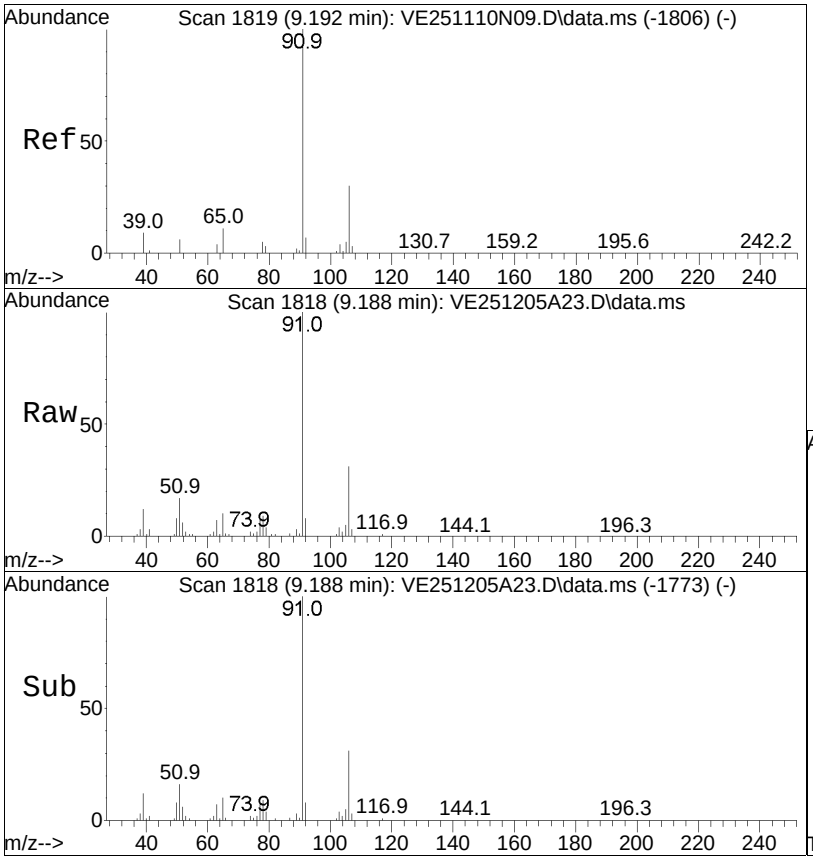


#65
Toluene
Concen: 2.25 ug/L
RT: 7.363 min Scan# 1402
Delta R.T. -0.000 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion: 92 Resp: 28421

Ion	Ratio	Lower	Upper
92	100		
91	189.4	136.4	204.6

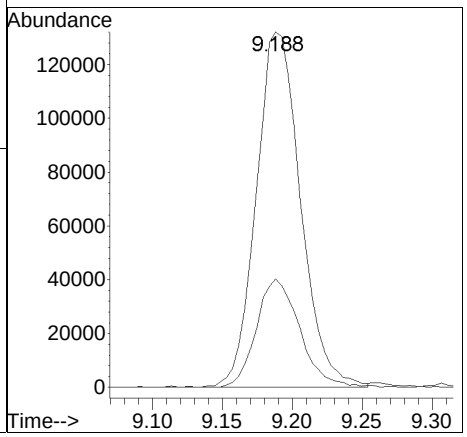


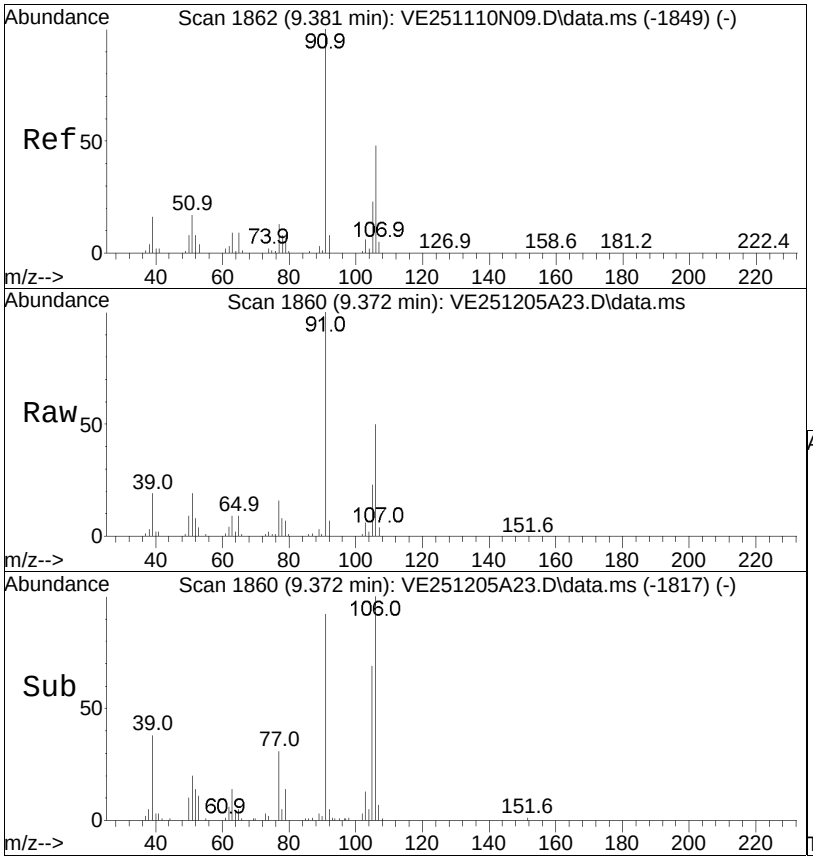


#79
Ethylbenzene
Concen: 11.03 ug/L
RT: 9.188 min Scan# 1818
Delta R.T. -0.004 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion: 91 Resp: 291276

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.0

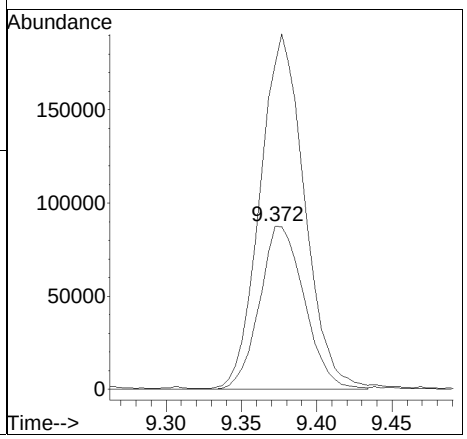


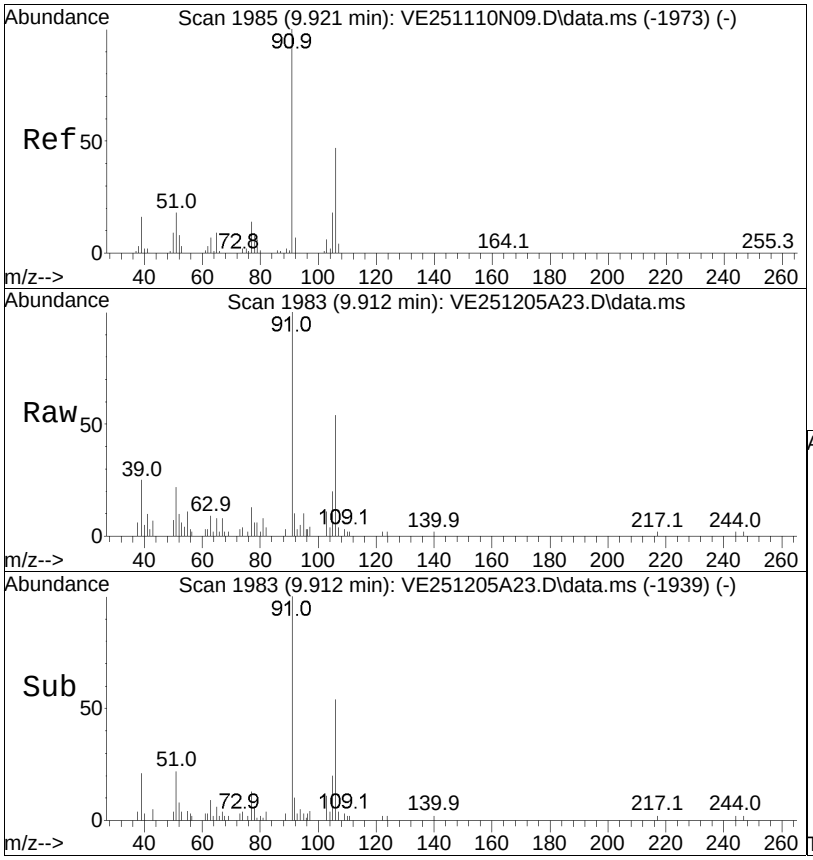


#81
p/m Xylene
Concen: 17.58 ug/L
RT: 9.372 min Scan# 1860
Delta R.T. -0.009 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion:106 Resp: 181320

Ion	Ratio	Lower	Upper
106	100		
91	216.6	165.2	247.8

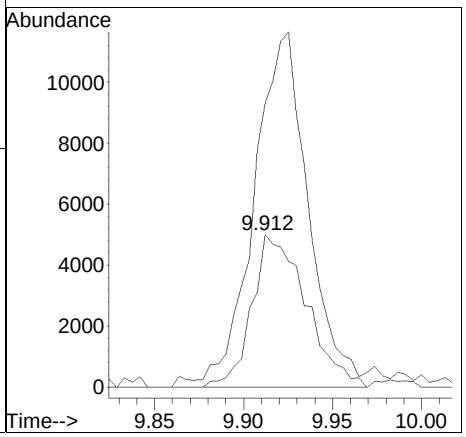


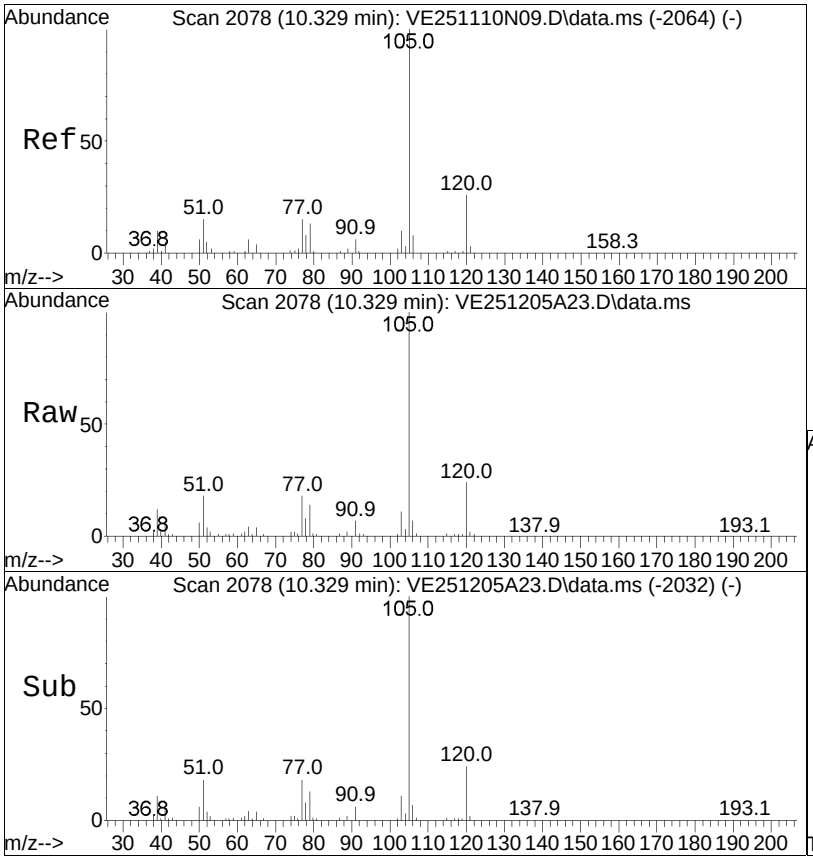


#82
o Xylene
Concen: 1.04 ug/L
RT: 9.912 min Scan# 1983
Delta R.T. -0.009 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion:106 Resp: 10598

Ion	Ratio	Lower	Upper
106	100		
91	234.9	181.8	272.8

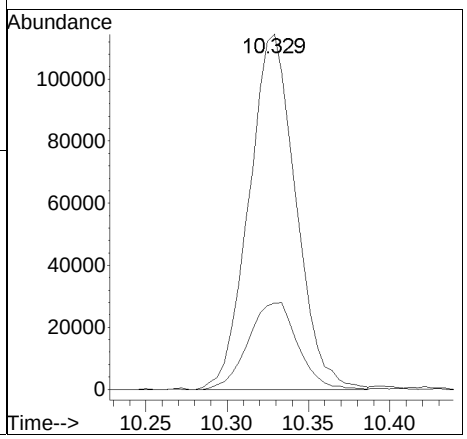


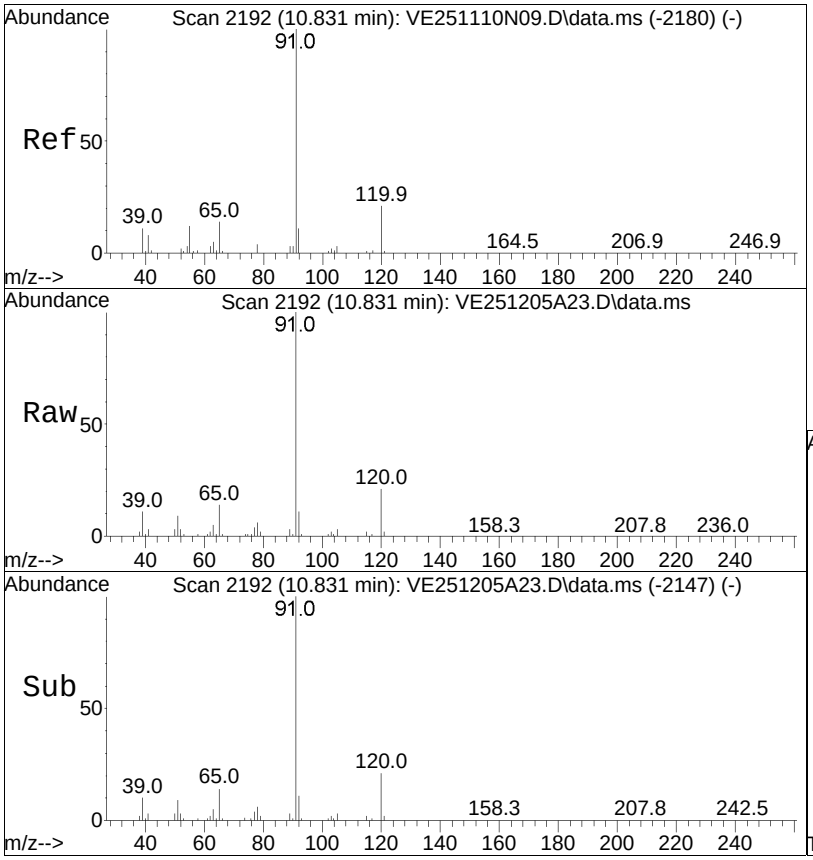


#87
Isopropylbenzene
Concen: 8.51 ug/L
RT: 10.329 min Scan# 2078
Delta R.T. 0.000 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion:105 Resp: 228606

Ion	Ratio	Lower	Upper
105	100		
120	25.8	5.0	45.0

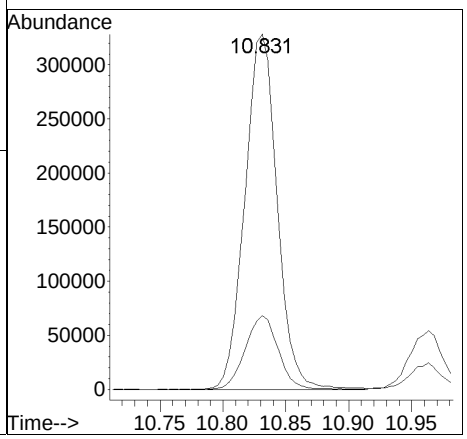


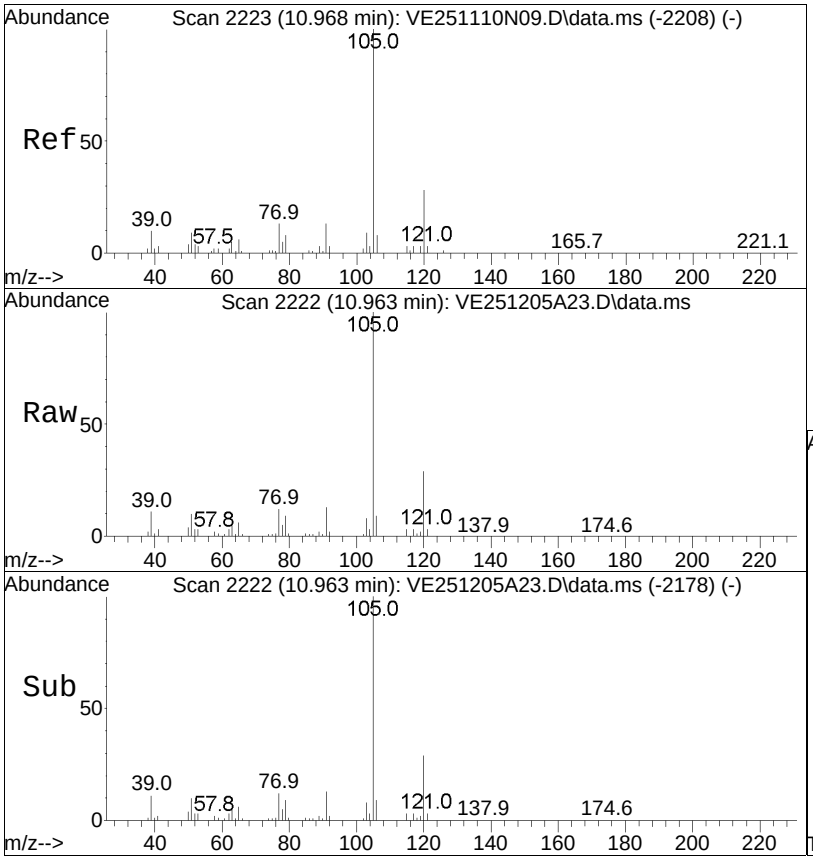


#90
n-Propylbenzene
Concen: 17.36 ug/L
RT: 10.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion: 91 Resp: 587279

Ion	Ratio	Lower	Upper
91	100		
120	21.1	16.7	25.1

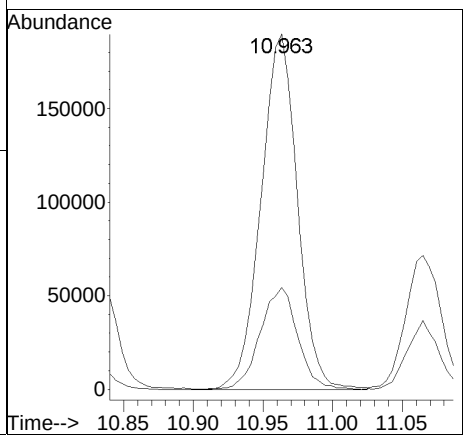


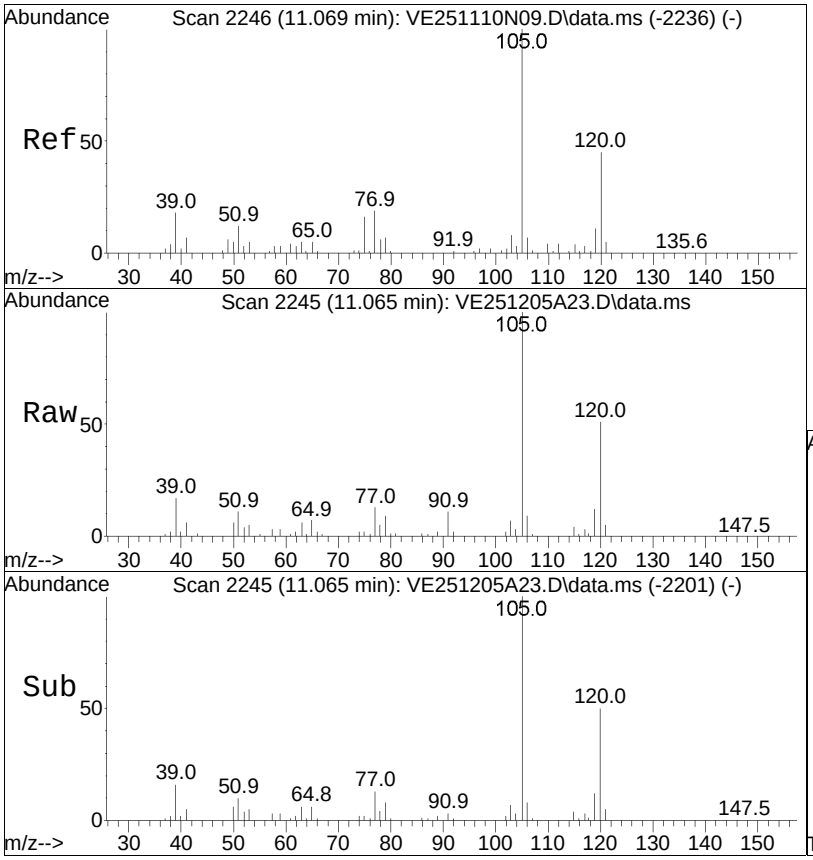


#93
4-Ethyltoluene
Concen: 13.09 ug/L
RT: 10.963 min Scan# 2222
Delta R.T. -0.005 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion:105 Resp: 345521

Ion	Ratio	Lower	Upper
105	100		
120	29.4	18.7	38.7

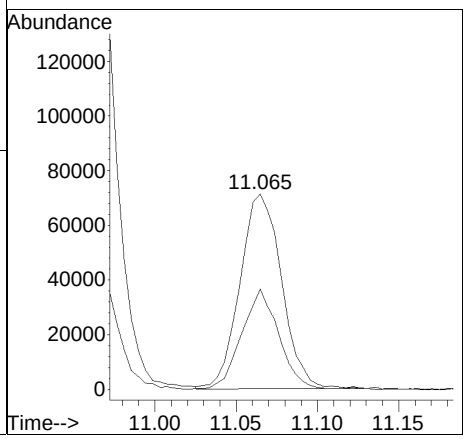


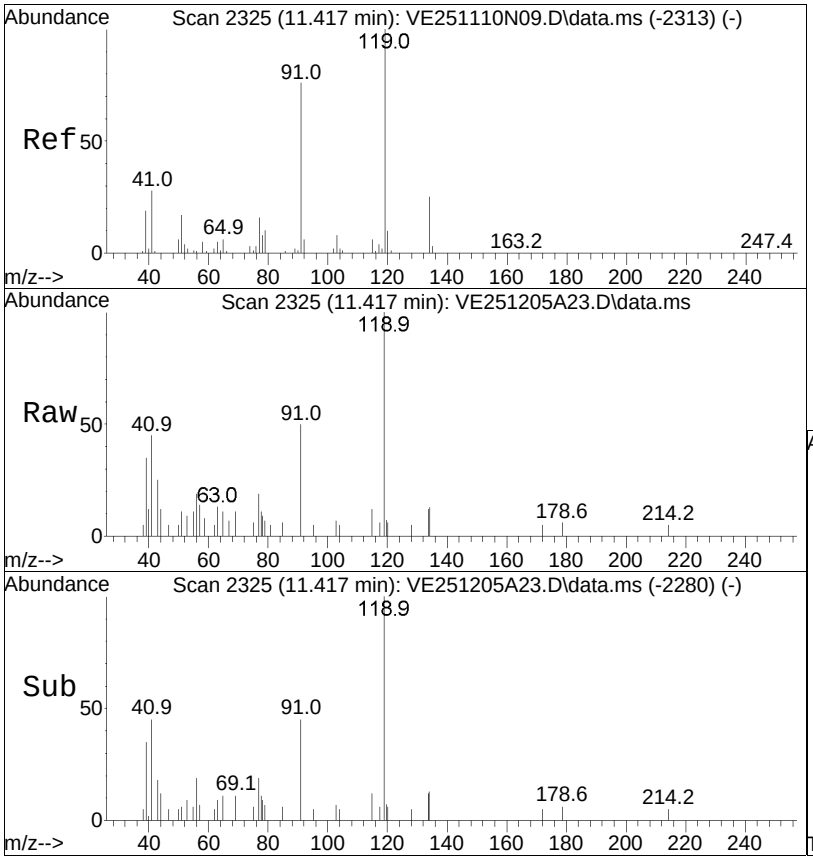


#95
1,3,5-Trimethylbenzene
Concen: 5.37 ug/L
RT: 11.065 min Scan# 2245
Delta R.T. -0.004 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion:105 Resp: 126970

Ion	Ratio	Lower	Upper
105	100		
120	46.1	37.2	55.8

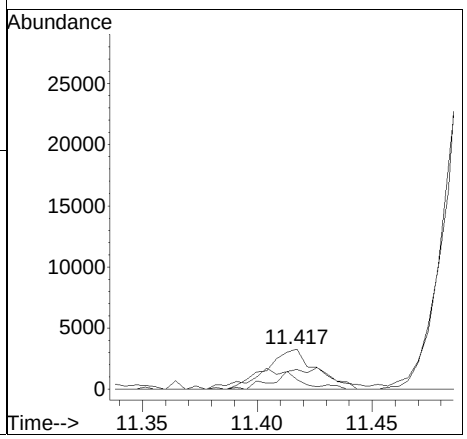


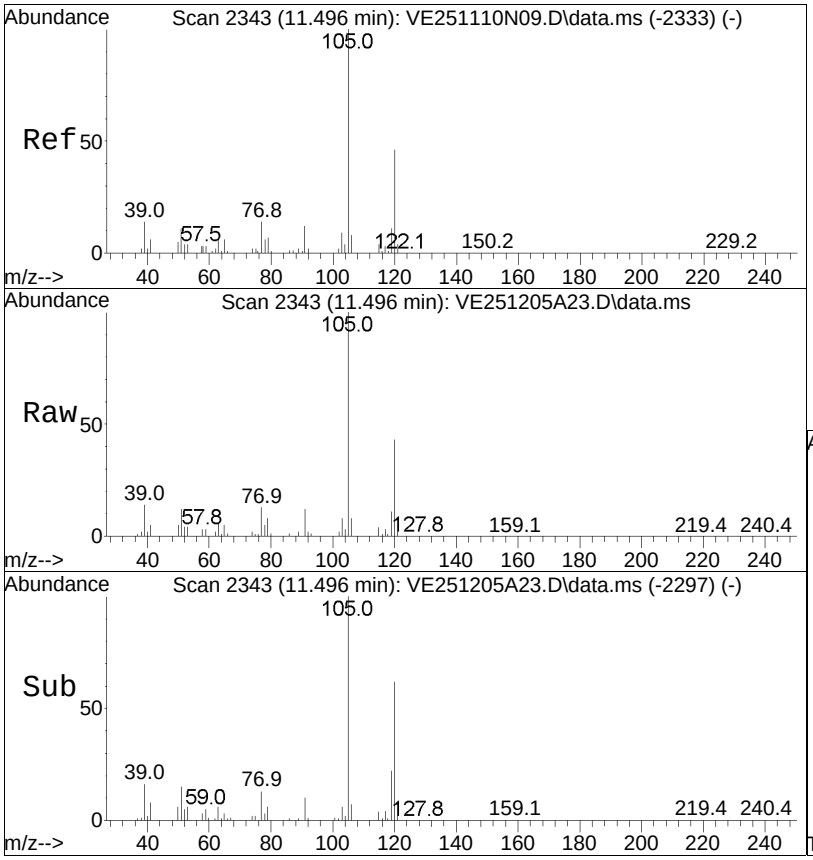


#99
tert-Butylbenzene
Concen: 0.26 ug/L
RT: 11.417 min Scan# 2325
Delta R.T. 0.000 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion:119 Resp: 5064

Ion	Ratio	Lower	Upper
119	100		
91	0.0	59.3	88.9#
134	28.7	19.4	29.2

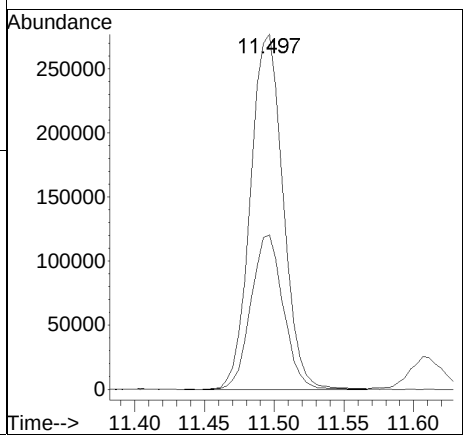


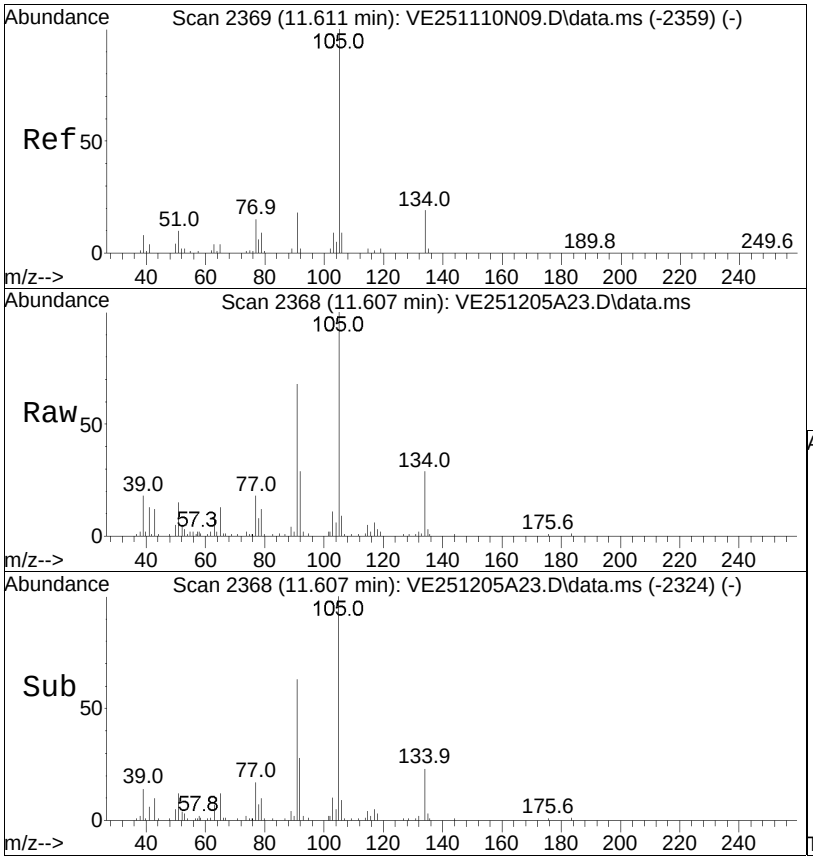


#102
1,2,4-Trimethylbenzene
Concen: 19.14 ug/L
RT: 11.496 min Scan# 2343
Delta R.T. 0.000 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion:105 Resp: 451381

Ion	Ratio	Lower	Upper
105	100		
120	43.2	35.9	53.9

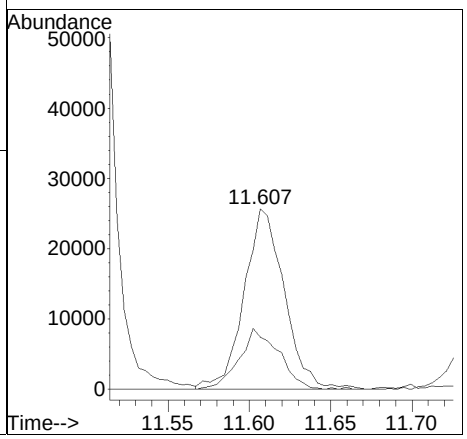


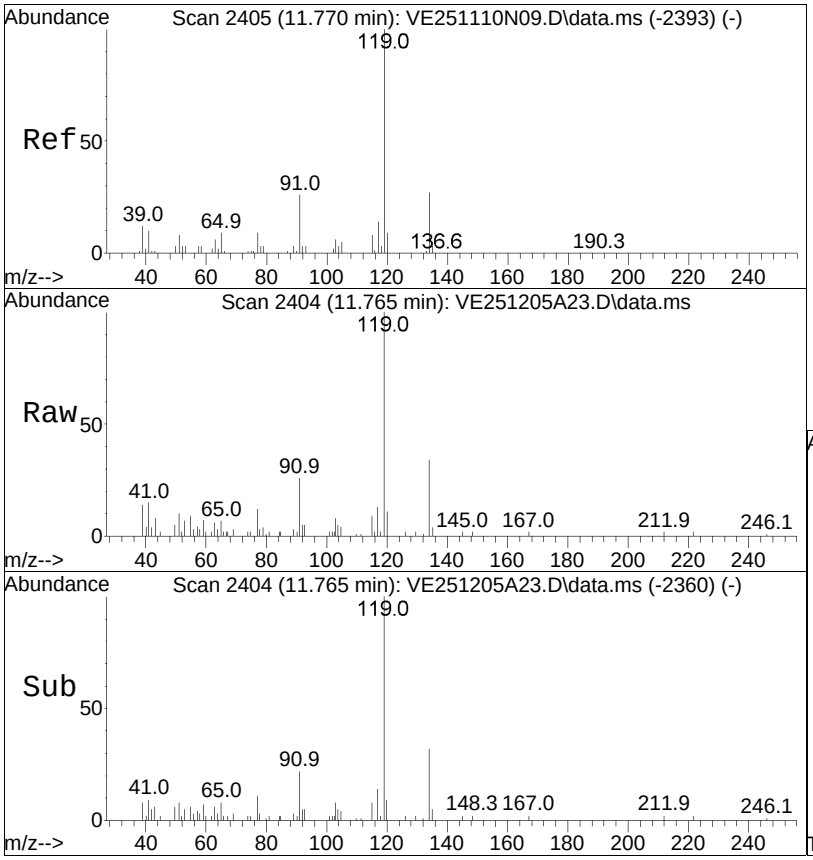


#103
sec-Butylbenzene
Concen: 1.51 ug/L
RT: 11.607 min Scan# 2368
Delta R.T. -0.004 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion:105 Resp: 44446

Ion	Ratio	Lower	Upper
105	100		
134	33.1	12.2	25.2#

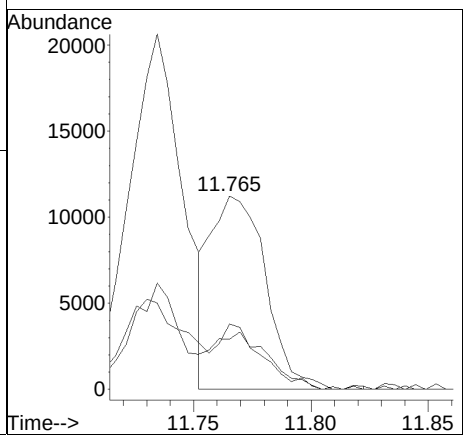


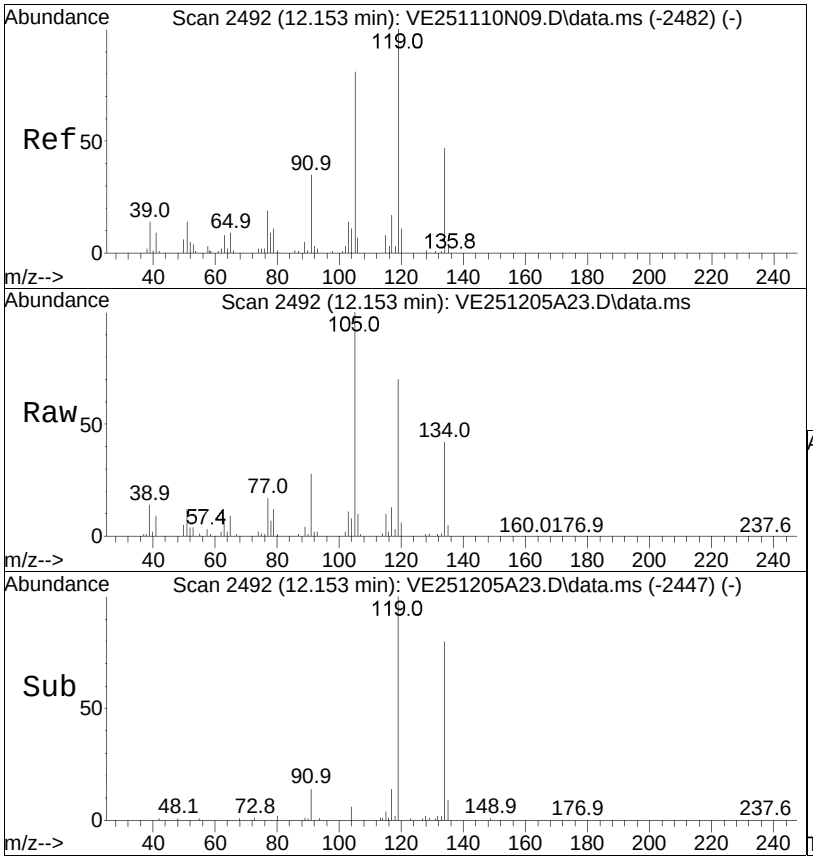


#104
p-Isopropyltoluene
Concen: 0.75 ug/L M1
RT: 11.765 min Scan# 2404
Delta R.T. -0.005 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion:119 Resp: 18493

Ion	Ratio	Lower	Upper
119	100		
134	26.1	16.8	34.8
91	29.8	18.0	37.4

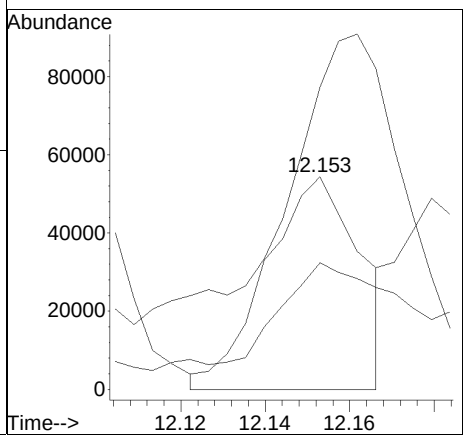


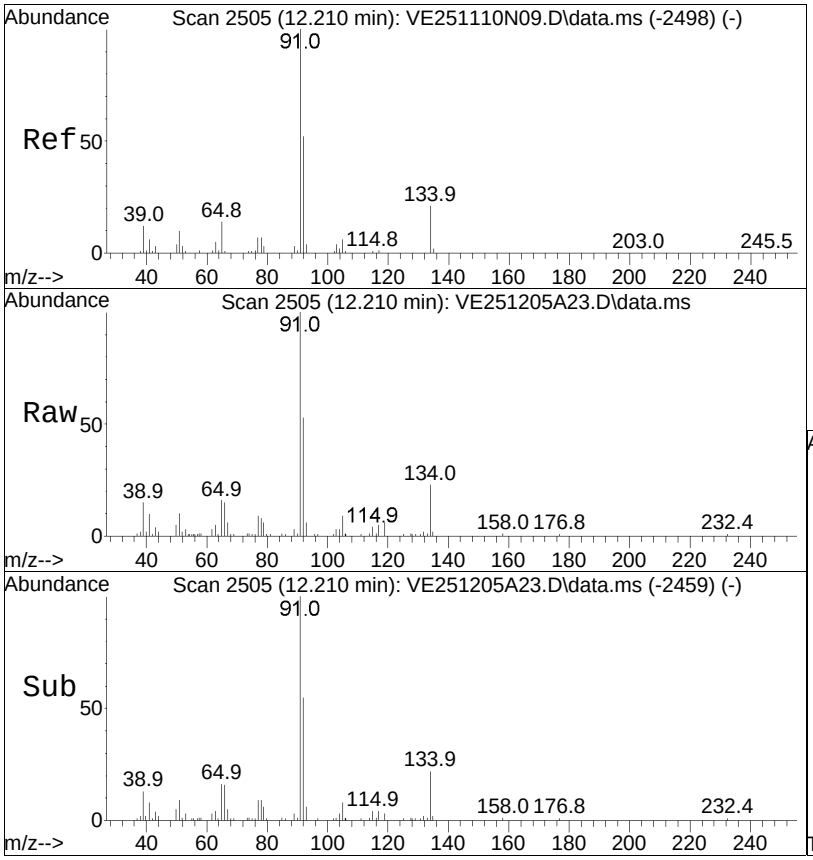


#107
p-Diethylbenzene
Concen: 5.76 ug/L M3
RT: 12.153 min Scan# 2492
Delta R.T. -0.000 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion:119 Resp: 83875

Ion	Ratio	Lower	Upper
119	100		
105	322.7	55.8	115.8#
134	140.2	29.2	60.6#

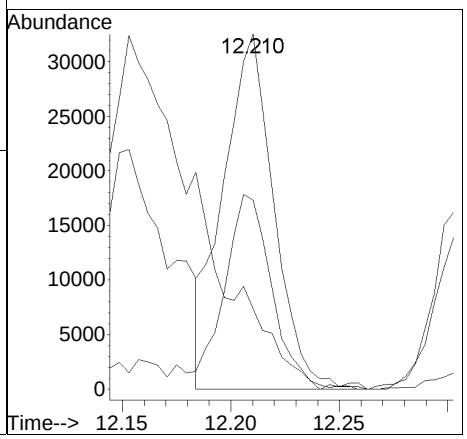


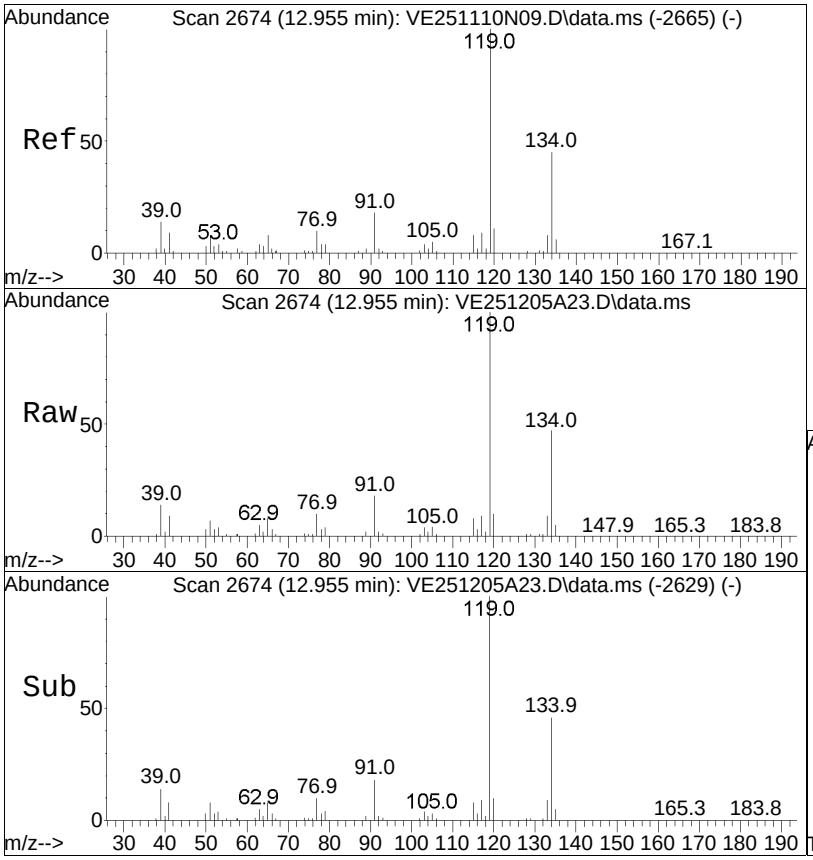


#108
n-Butylbenzene
Concen: 2.22 ug/L
RT: 12.210 min Scan# 2505
Delta R.T. 0.000 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion: 91 Resp: 53306

Ion	Ratio	Lower	Upper
91	100		
92	51.3	41.4	62.0
134	0.0	18.8	28.2#

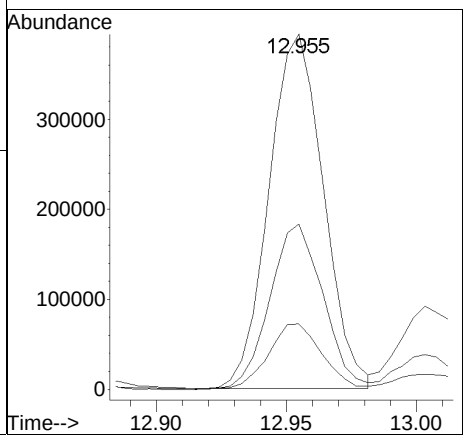


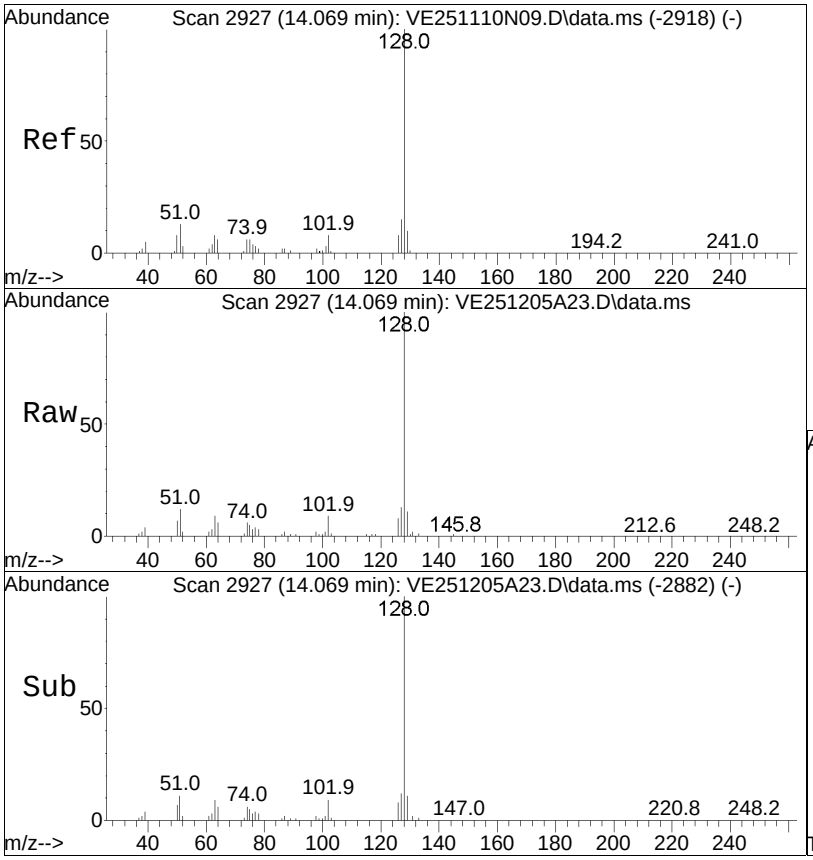


#110
1,2,4,5-Tetramethylbenzene
Concen: 23.34 ug/L
RT: 12.955 min Scan# 2674
Delta R.T. -0.000 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

Tgt Ion:119 Resp: 574152

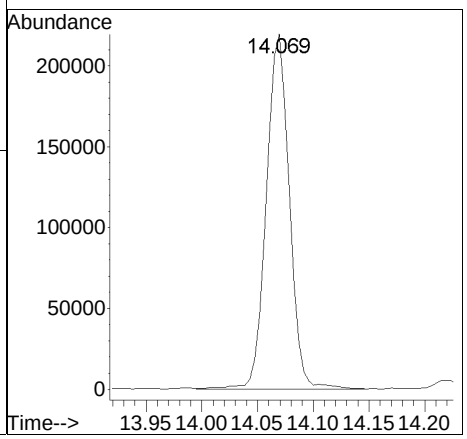
Ion	Ratio	Lower	Upper
119	100		
134	45.5	29.6	61.6
91	17.9	12.4	25.8





#115
Naphthalene
Concen: 20.62 ug/L
RT: 14.069 min Scan# 2927
Delta R.T. 0.000 min
Lab File: VE251205A23.D
Acq: 5 Dec 2025 4:22 pm

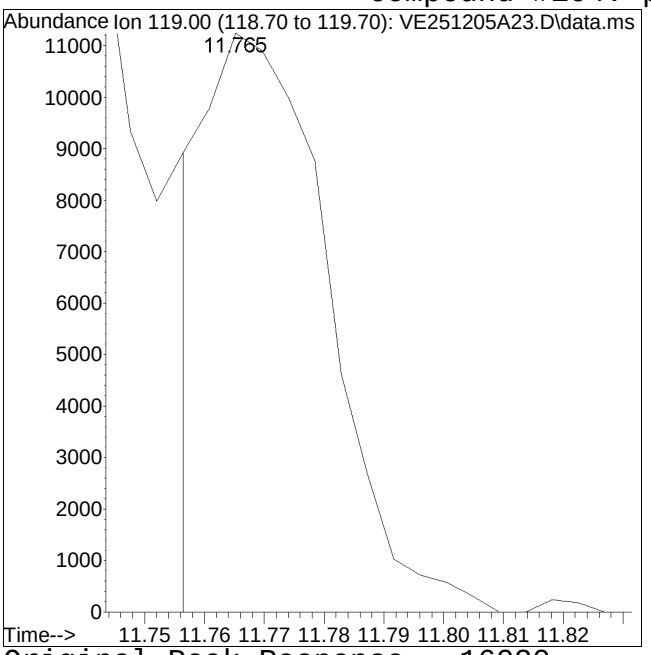
Tgt Ion:128 Resp: 315760



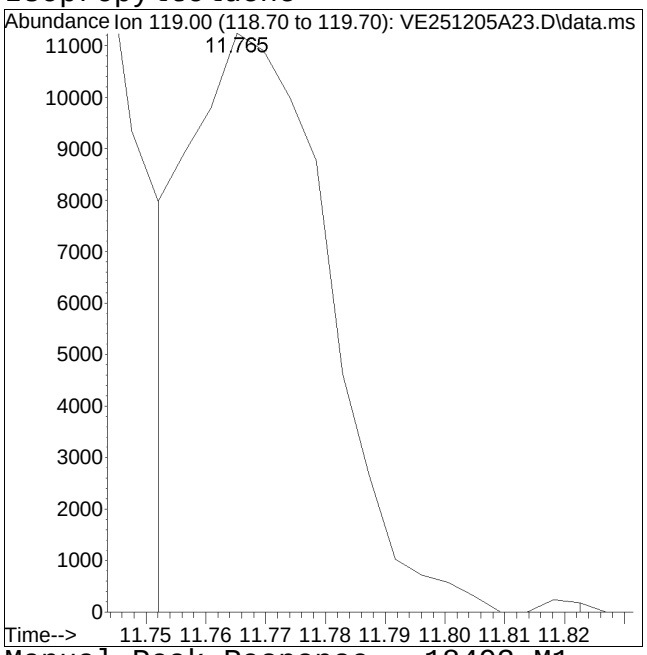
Manual Integration Report

Data Path : K:\Elaine\2025\251205A\ QMethod : Elaine_251111N_8260.m
Data File : VE251205A23.D Operator : ELAINE:MJV
Date Inj'd : 12/5/2025 4:22 pm Instrument : Elaine
Sample : L2575357-03D,31,2.0,10,,A Quant Date : 12/5/2025 7:59 pm

Compound #104: p-Isopropyltoluene



Original Peak Response = 16020



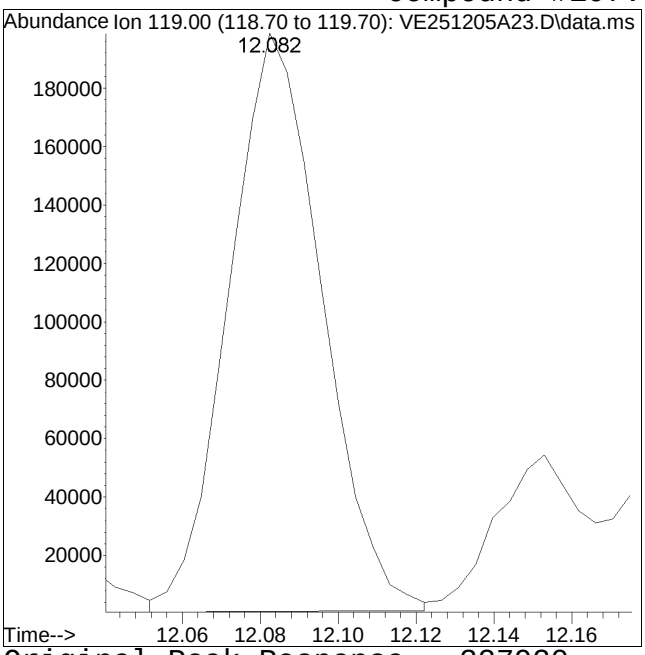
Manual Peak Response = 18493 M1

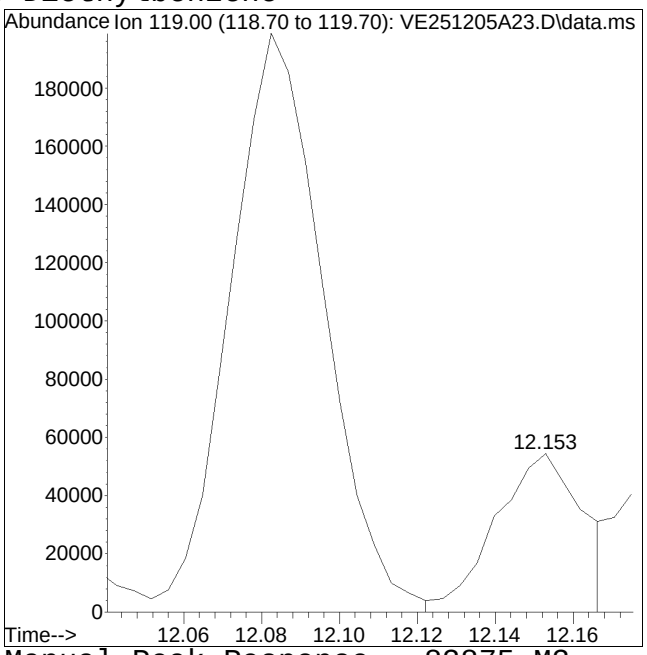
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2025\251205A\ QMethod : Elaine_251111N_8260.m
Data File : VE251205A23.D Operator : ELAINE:MJV
Date Inj'd : 12/5/2025 4:22 pm Instrument : Elaine
Sample : L2575357-03D,31,2.0,10,,A Quant Date : 12/5/2025 7:59 pm

Compound #107: p-Diethylbenzene





Original Peak Response = 327920 Manual Peak Response = 83875 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

LSC Area Percent Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251205A23.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.654	120	126	134	rBV	525506	650931	9.63%	0.903%
2	2.016	197	206	215	rBV	3105472	4036682	59.71%	5.602%
3	2.080	215	220	239	rVV4	101326	418790	6.19%	0.581%
4	2.211	241	249	256	rVV	935166	1638543	24.24%	2.274%
5	2.265	256	261	269	rVV2	221764	443212	6.56%	0.615%
6	2.329	269	275	286	rVB	143613	277776	4.11%	0.385%
7	2.478	302	308	318	rVB	589410	1002813	14.83%	1.392%
8	2.601	327	335	353	rVB2	75694	212977	3.15%	0.296%
9	2.977	397	418	454	rBV6	788727	4082594	60.39%	5.666%
10	3.189	455	465	499	rVB2	418888	1158568	17.14%	1.608%
11	3.407	500	513	537	rBV5	235971	726775	10.75%	1.009%
12	3.620	551	560	570	rBV	253423	526120	7.78%	0.730%
13	3.706	570	579	587	rBV2	128183	272243	4.03%	0.378%
14	3.846	599	610	621	rVB2	160755	383768	5.68%	0.533%
15	3.973	622	638	649	rBV	1135000	2877461	42.56%	3.993%
16	4.453	734	744	763	rVB2	257372	603306	8.92%	0.837%
17	4.594	763	775	787	rBV3	627112	1700753	25.16%	2.360%
18	4.684	787	795	805	rVB	169014	376336	5.57%	0.522%
19	4.761	806	812	821	rVB2	119020	256478	3.79%	0.356%
20	4.838	821	829	845	rVB4	124007	312046	4.62%	0.433%
21	4.974	847	859	866	rBV3	159145	393576	5.82%	0.546%
22	5.042	866	874	881	rBV3	264461	672978	9.95%	0.934%
23	5.217	900	913	933	rBV	2374158	5527118	81.75%	7.670%
24	5.353	935	944	951	rBV3	197076	427020	6.32%	0.593%
25	5.634	989	1008	1027	rVB2	289373	827565	12.24%	1.148%
26	5.792	1028	1044	1065	rBV3	591994	1845014	27.29%	2.560%
27	5.989	1080	1089	1106	rVB5	101624	271682	4.02%	0.377%
28	6.384	1171	1179	1188	rVV2	196867	399085	5.90%	0.554%

LSC Area Percent Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

29	6.467	1188	1198	1216	rVB4	127519	417991	6.18%	0.580%
30	6.788	1262	1271	1288	rVB3	184394	462851	6.85%	0.642%
31	6.919	1288	1301	1323	rBV5	72913	276895	4.10%	0.384%
32	7.301	1378	1388	1397	rBV	326261	783595	11.59%	1.087%
33	7.481	1418	1429	1448	rVB3	148008	389416	5.76%	0.540%
34	8.025	1546	1553	1569	rVB4	86711	224631	3.32%	0.312%
35	9.127	1792	1804	1811	rBV	290946	649824	9.61%	0.902%
36	9.188	1811	1818	1839	rVB2	354514	798814	11.82%	1.109%
37	9.377	1849	1861	1878	rBV2	602413	1245641	18.42%	1.729%
38	10.325	2067	2077	2091	rBV3	327471	692320	10.24%	0.961%
39	10.664	2141	2154	2171	rBV2	255833	499201	7.38%	0.693%
40	10.831	2180	2192	2206	rBV	729821	1307417	19.34%	1.814%
41	10.963	2207	2222	2232	rVV	515377	967011	14.30%	1.342%
42	11.065	2236	2245	2256	rVB2	232116	414424	6.13%	0.575%
43	11.298	2280	2298	2317	rBV	463305	790750	11.70%	1.097%
44	11.492	2333	2342	2357	rVB	869785	1423337	21.05%	1.975%
45	11.607	2357	2368	2377	rBV3	113282	212878	3.15%	0.295%
46	11.911	2427	2437	2442	rBV	430556	695024	10.28%	0.965%
47	11.955	2442	2447	2457	rVB	429542	687048	10.16%	0.953%
48	12.091	2468	2478	2487	rBV2	3969179	6760661	100.00%	9.382%
49	12.153	2487	2492	2502	rVB2	249384	534178	7.90%	0.741%
50	12.303	2515	2526	2537	rVB3	187898	313374	4.64%	0.435%
51	12.395	2537	2547	2557	rBV	229460	385268	5.70%	0.535%
52	12.470	2557	2564	2576	rVV2	251090	555970	8.22%	0.772%
53	12.558	2576	2584	2590	rVV	2304670	3331339	49.28%	4.623%
54	12.602	2590	2594	2600	rVV	363573	528869	7.82%	0.734%
55	12.660	2600	2607	2614	rVV	1446453	2218912	32.82%	3.079%
56	12.712	2614	2619	2638	rVB	218620	402900	5.96%	0.559%
57	12.955	2665	2674	2680	rVV	1262944	1825695	27.00%	2.534%
58	13.003	2680	2685	2706	rVB2	284314	641541	9.49%	0.890%
59	13.201	2719	2730	2738	rBV	1249709	1837759	27.18%	2.550%
60	13.373	2760	2769	2779	rVV2	2198873	4180433	61.83%	5.801%

LSC Area Percent Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

61	13.510	2790	2800	2812	rVB3	176841	328936	4.87%	0.456%
62	13.629	2822	2827	2834	rVV2	295776	483786	7.16%	0.671%
63	13.677	2834	2838	2841	rVV	149731	217223	3.21%	0.301%
64	13.708	2841	2845	2852	rVV3	217769	363223	5.37%	0.504%
65	13.783	2852	2862	2876	rVB2	348077	673769	9.97%	0.935%
66	14.069	2920	2927	2933	rBV2	489476	725887	10.74%	1.007%
67	14.387	2991	2999	3010	rVB2	124242	203791	3.01%	0.283%
68	15.136	3162	3169	3188	rVB	188510	285613	4.22%	0.396%

Sum of corrected areas: 72060405

Signal : TIC: VE251205A23.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

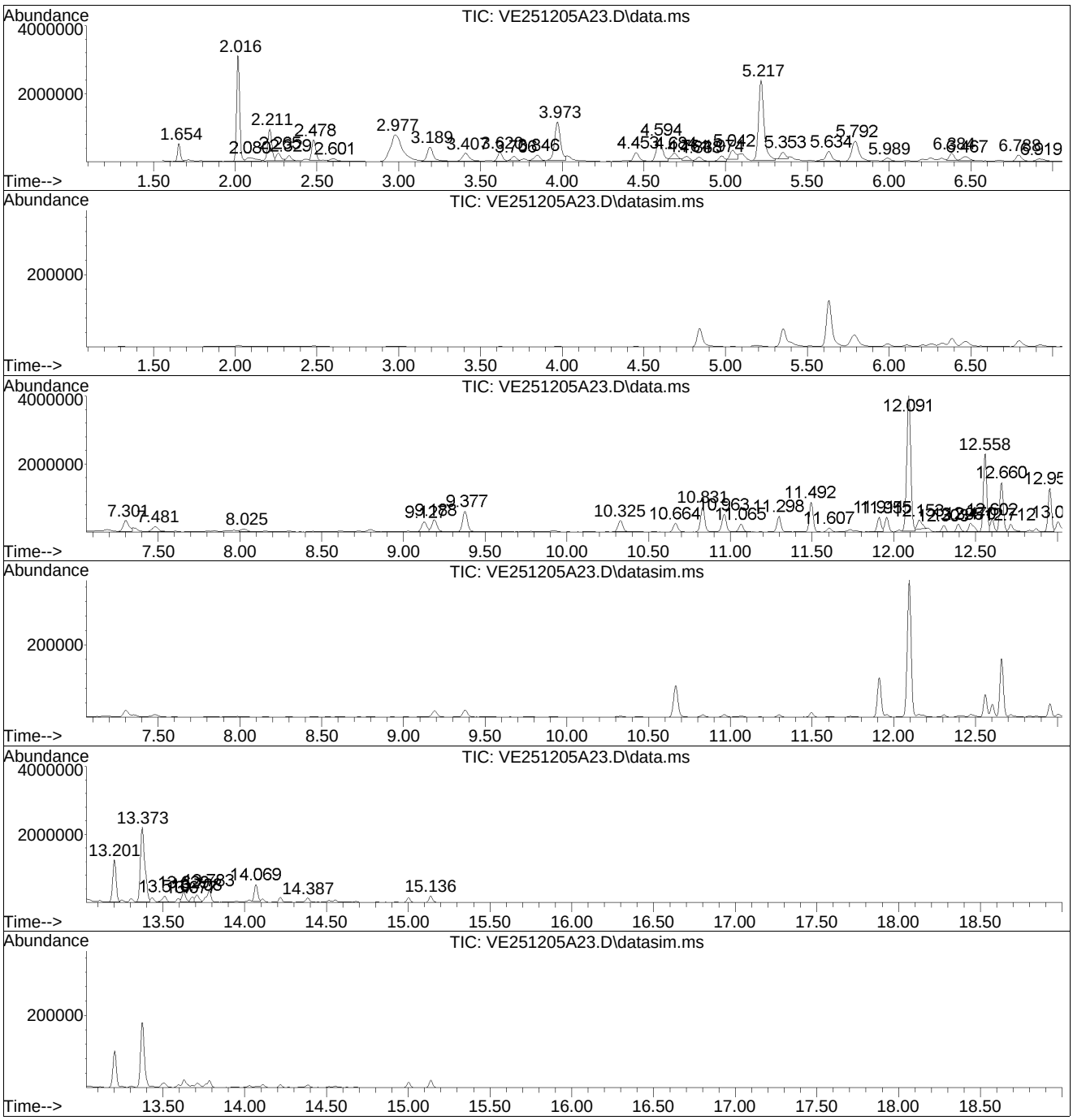
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

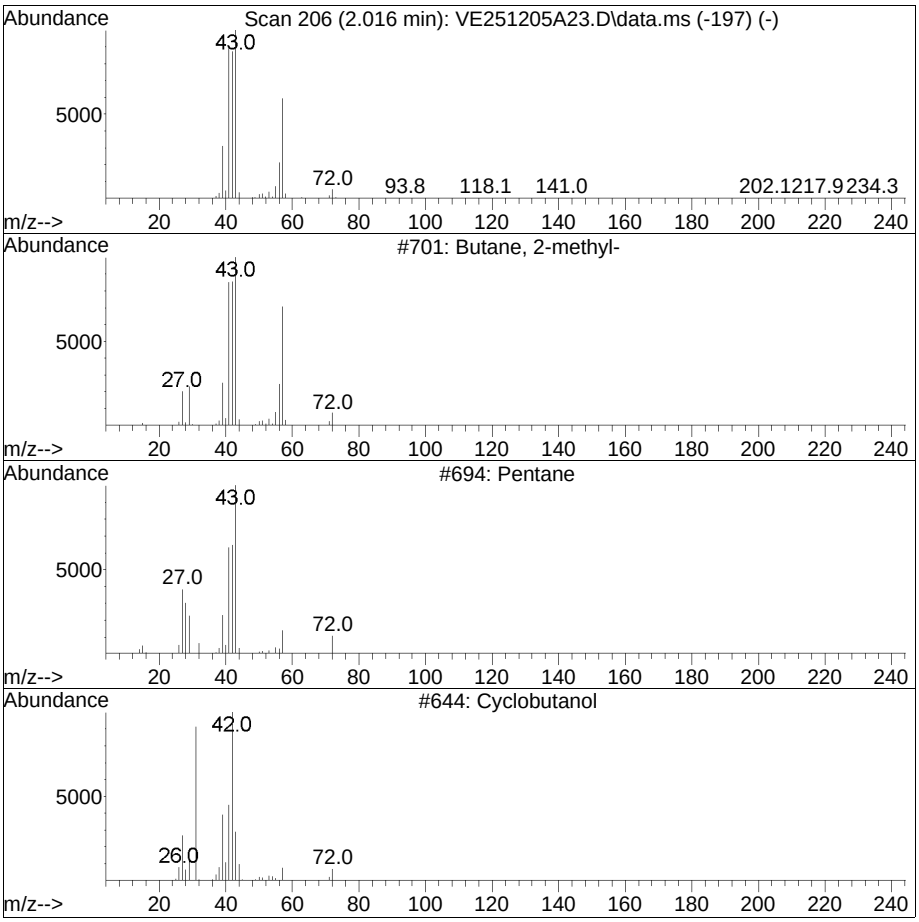
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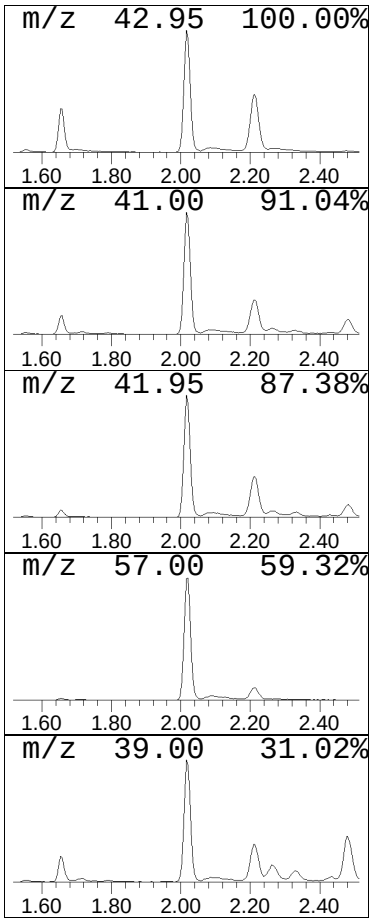
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Peak Number 1 Butane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.016	48.78 ug/L	4036680	Fluorobenzene	5.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	87
2	Pentane	72	C5H12	000109-66-0	38
3	Cyclobutanol	72	C4H8O	002919-23-5	25
4	Pyruvic acid, butyl ester	144	C7H12O3	020279-44-1	12
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

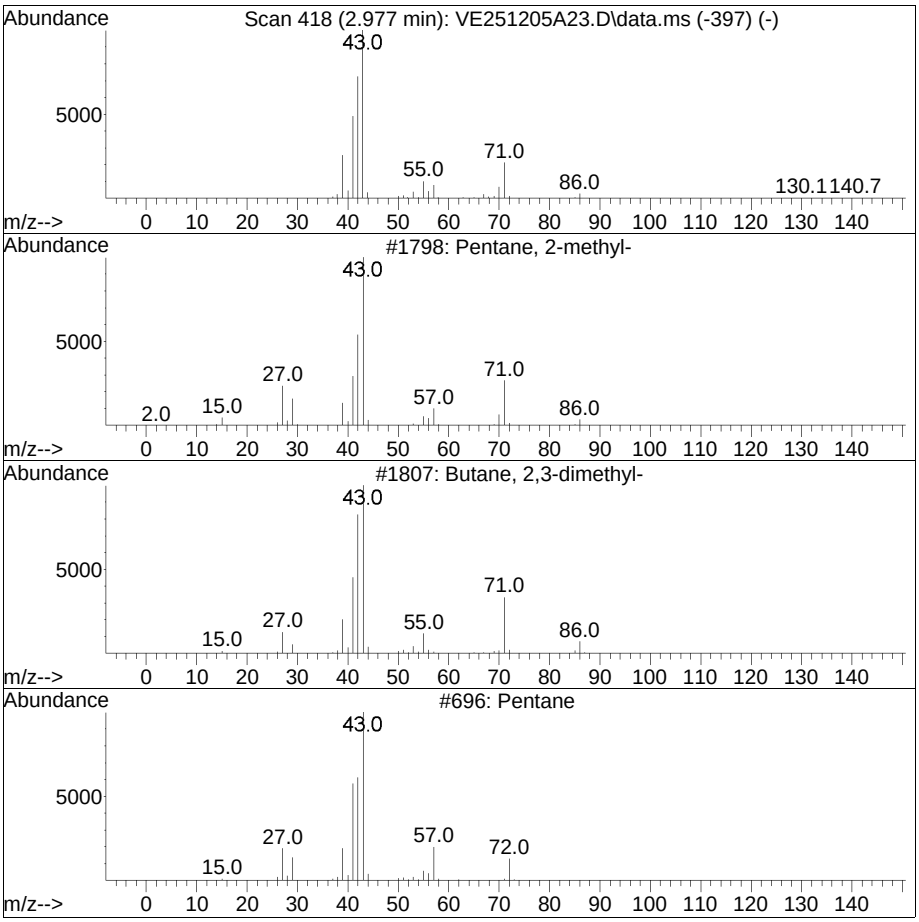
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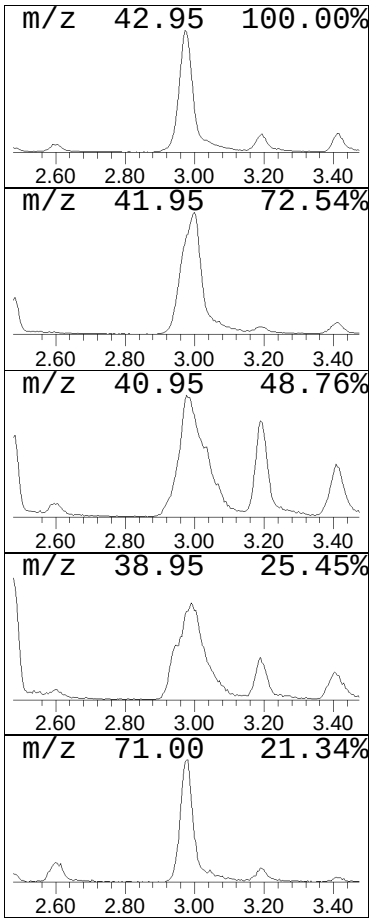
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Peak Number 2 Unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.977	49.33 ug/L	4082590	Fluorobenzene	5.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	83
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
3	Pentane	72	C5H12	000109-66-0	50
4	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	40
5	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	28





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

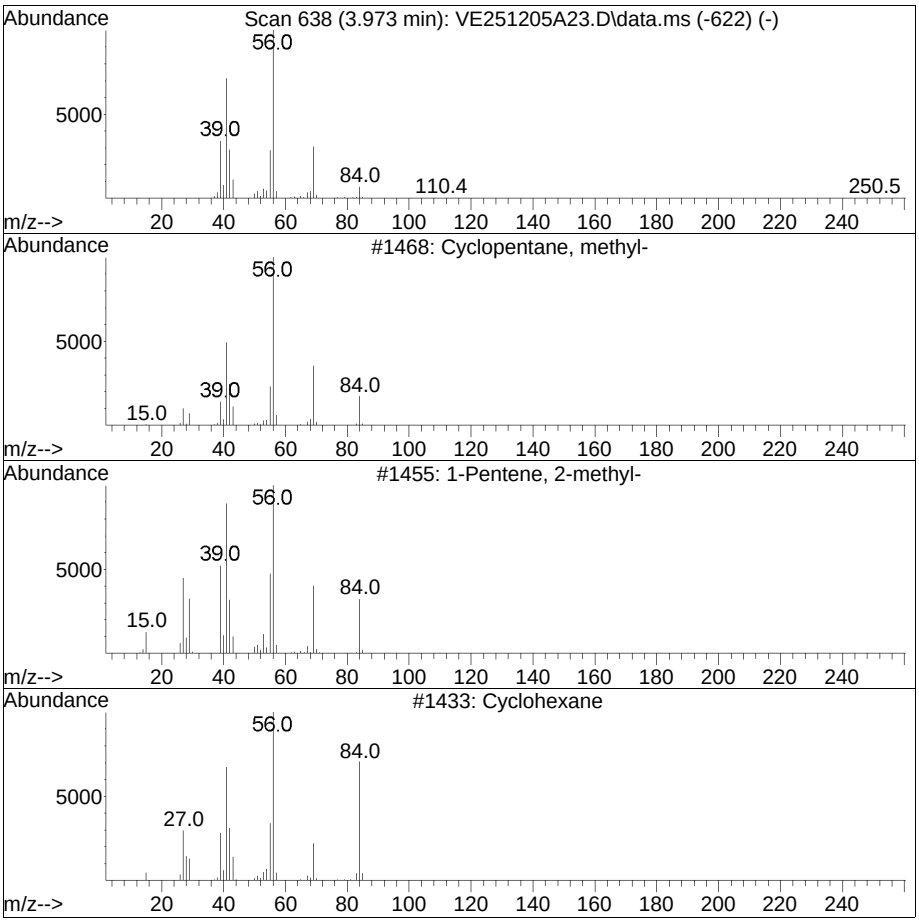
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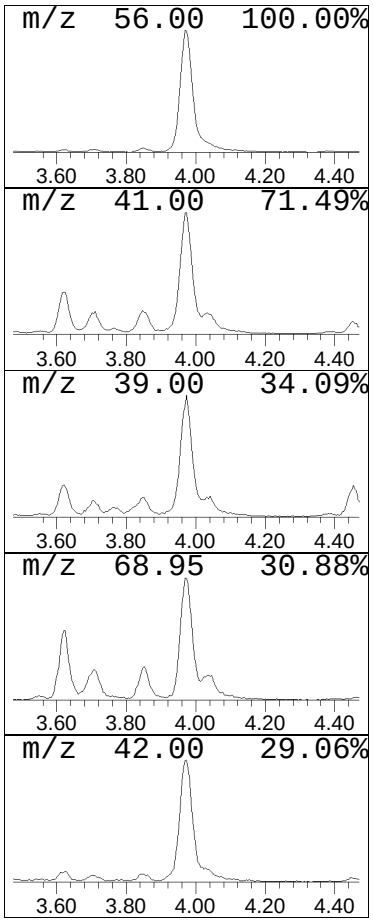
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Peak Number 3 Unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.973	34.77 ug/L	2877460	Fluorobenzene	5.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	87
3	Cyclohexane	84	C6H12	000110-82-7	83
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	56





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

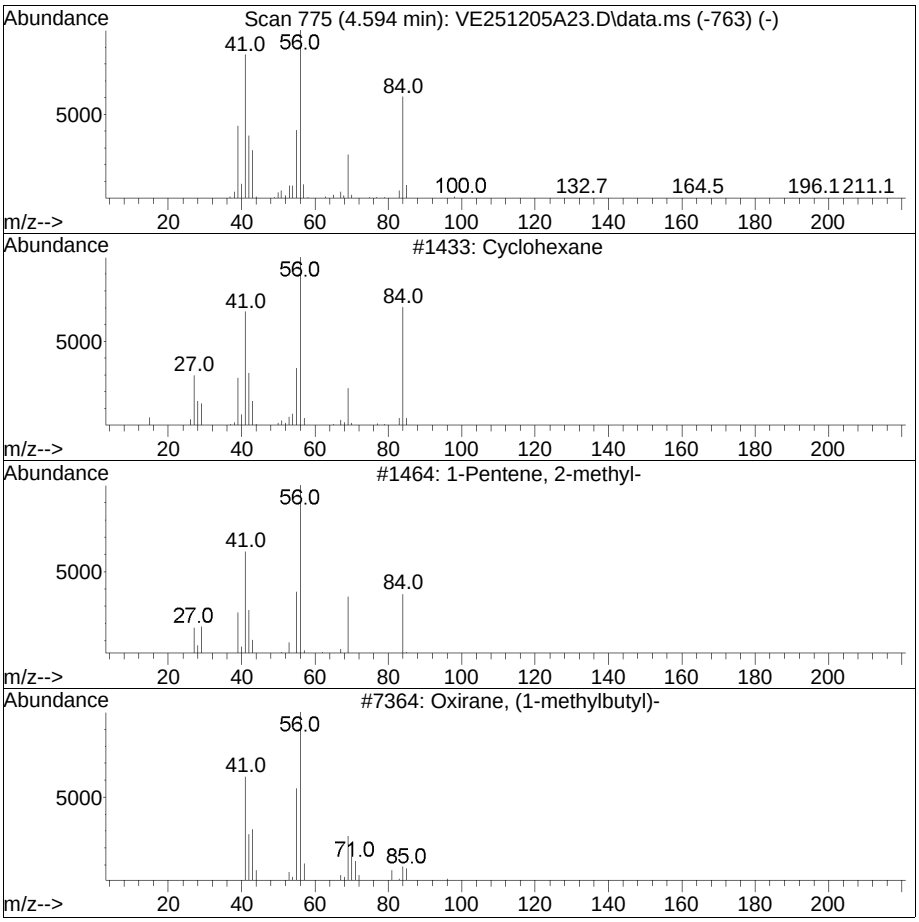
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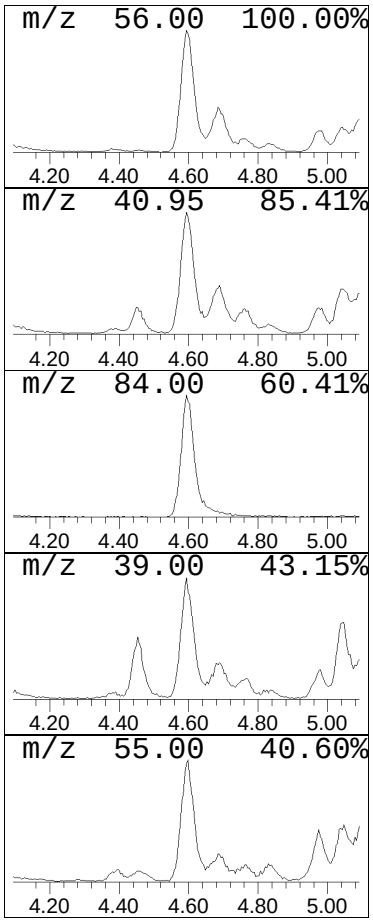
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Peak Number 4 Unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.594	20.55 ug/L	1700750	Fluorobenzene	5.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	81
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	59
3	Oxirane, (1-methylbutyl)-	114	C7H14O	053229-39-3	50
4	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	50
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	47





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

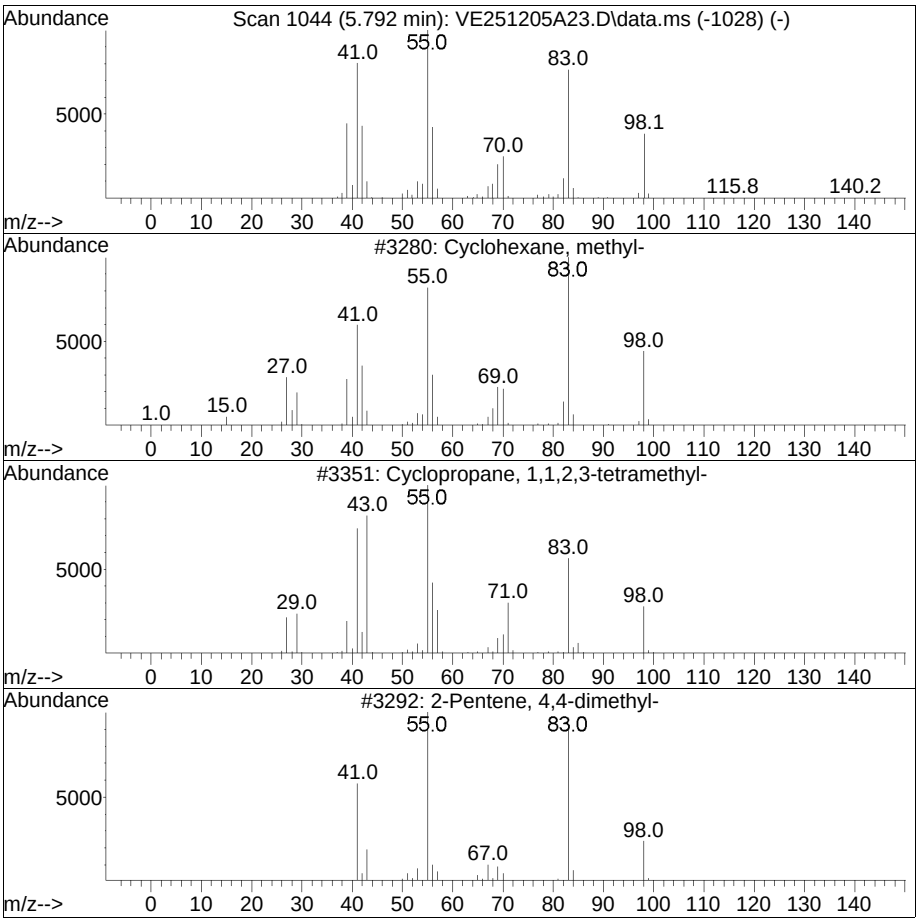
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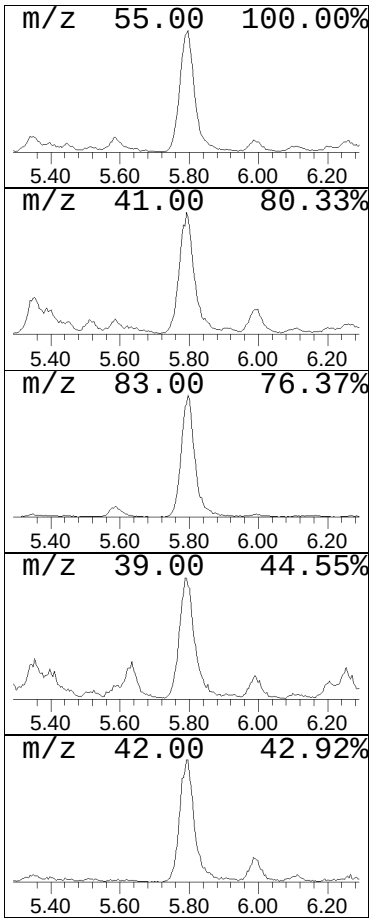
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Peak Number 5 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.792	22.29 ug/L	1845010	Fluorobenzene	5.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	53
2	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	52
3	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	49
4	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	46
5	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	46





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

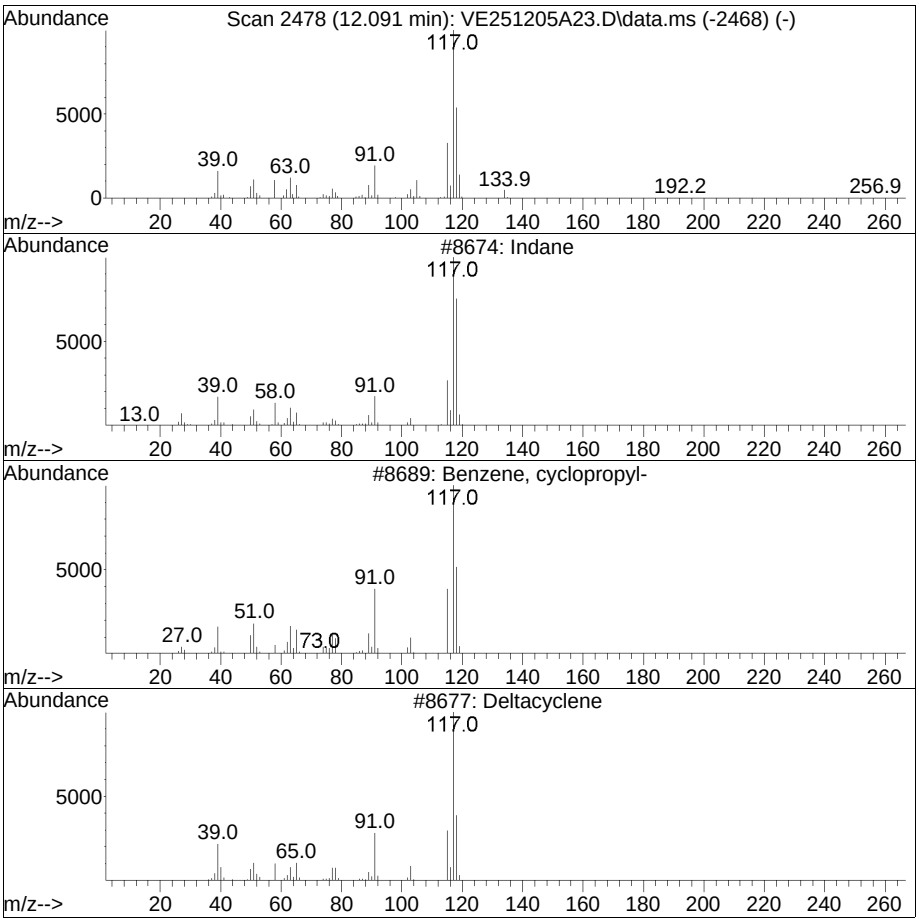
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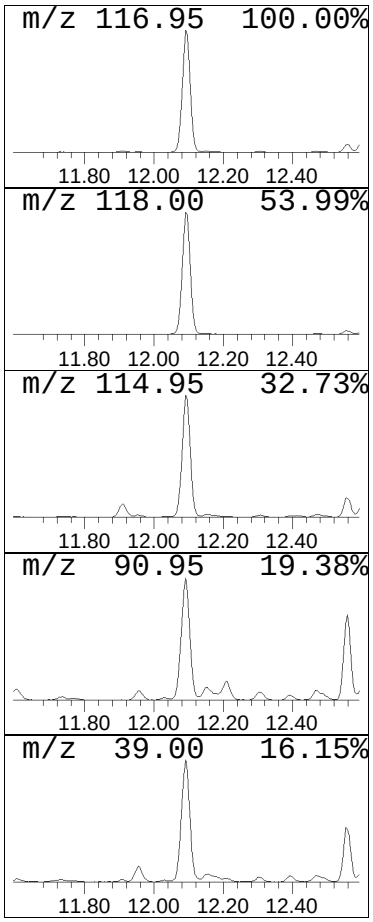
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Peak Number 6 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.091	97.27 ug/L	6760660	1,4-Dichlorobenzene-d4	11.906

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
3	Deltacyclene	118	C9H10	007785-10-6	64
4	cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	62
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	55





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

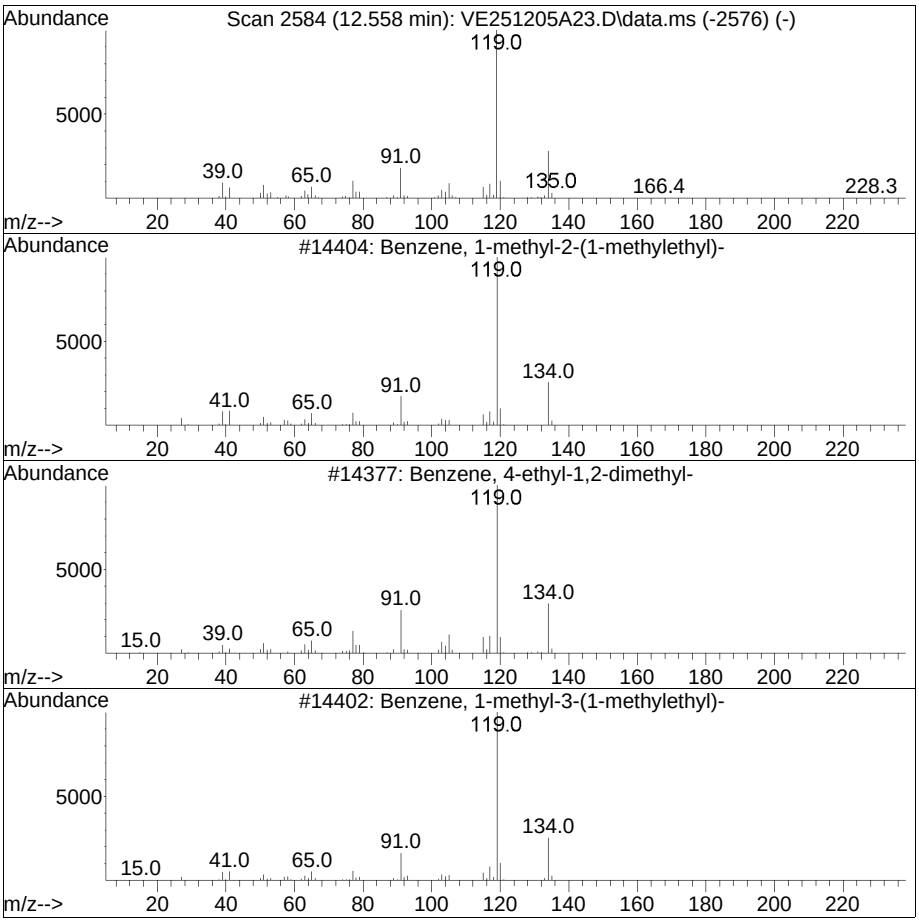
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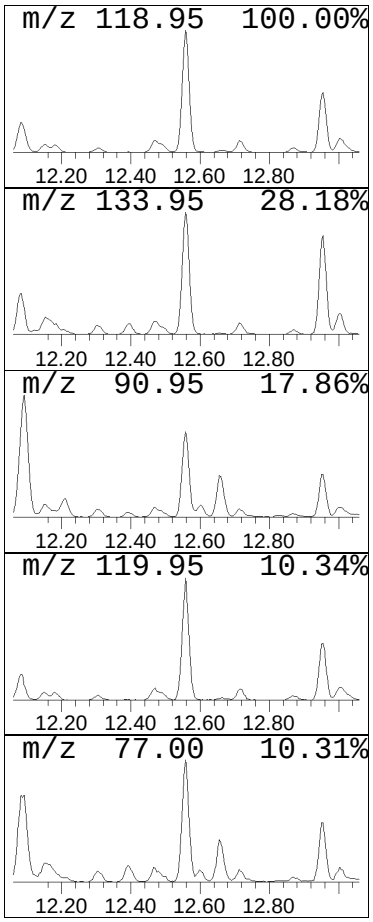
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Peak Number 7 Unknown Benzene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.558	47.93 ug/L	3331340	1,4-Dichlorobenzene-d4	11.906

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

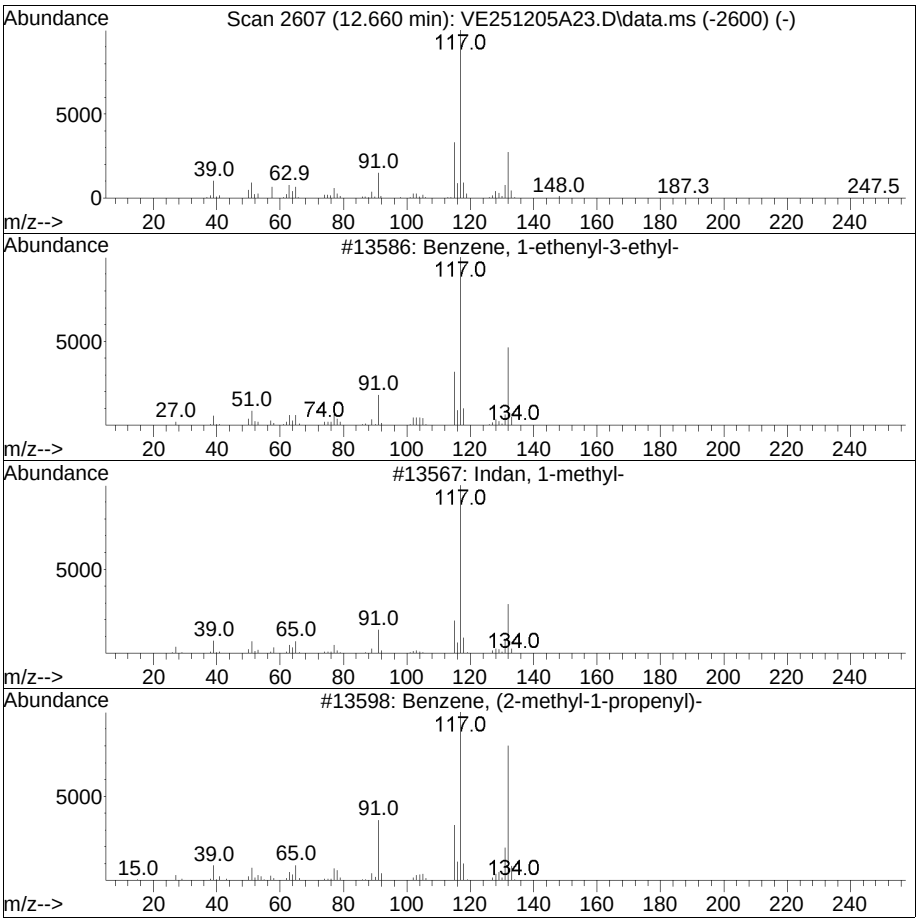
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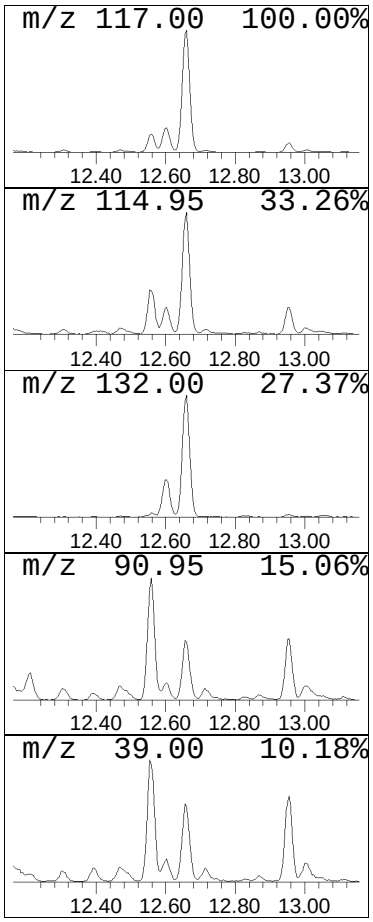
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Peak Number 8 Unknown Aromatic Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.660	31.93 ug/L	2218910	1,4-Dichlorobenzene-d4	11.906

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

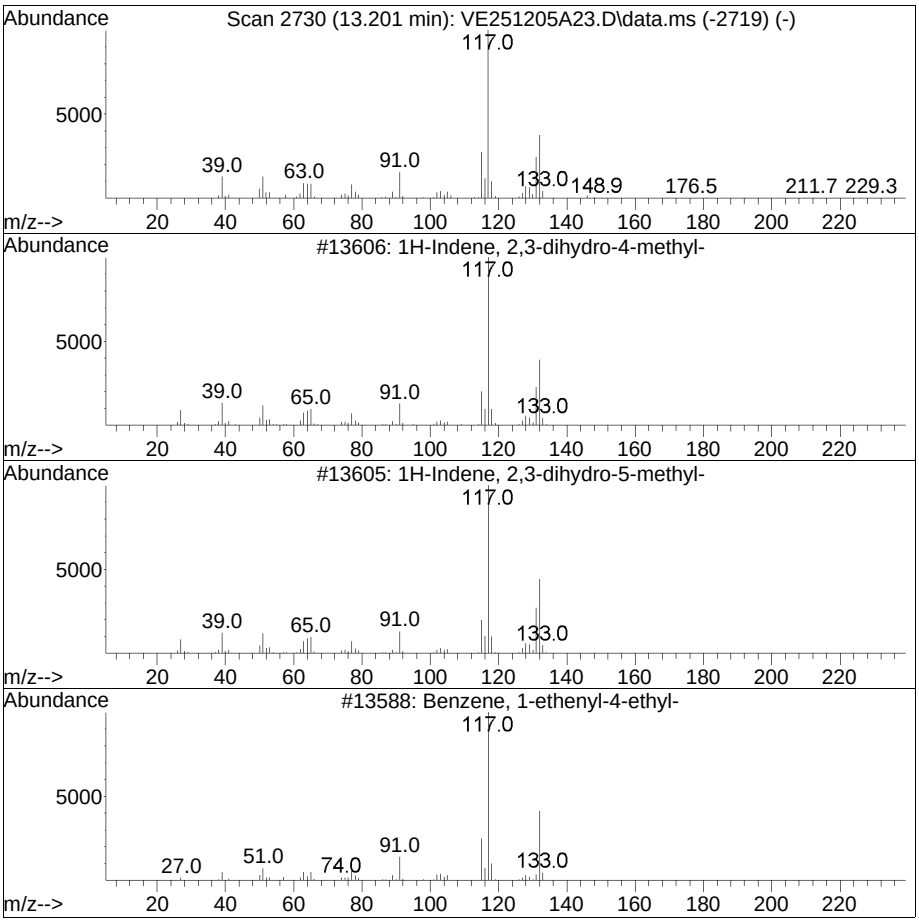
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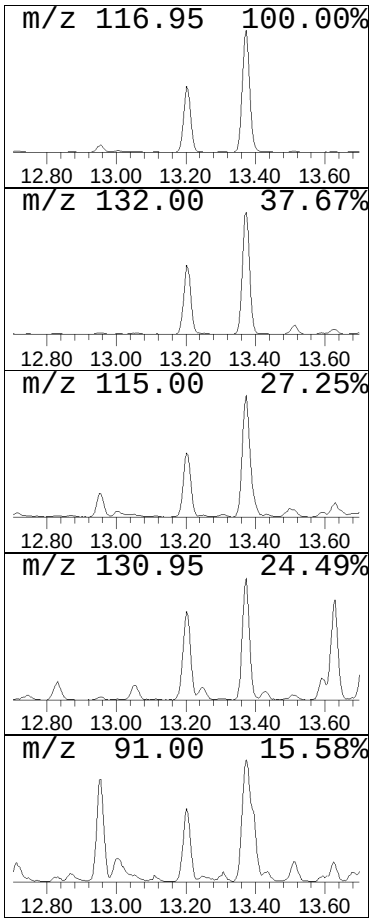
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Peak Number 9 Unknown Aromatic Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.201	26.44 ug/L	1837760	1,4-Dichlorobenzene-d4	11.906

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	96
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	96
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	91





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

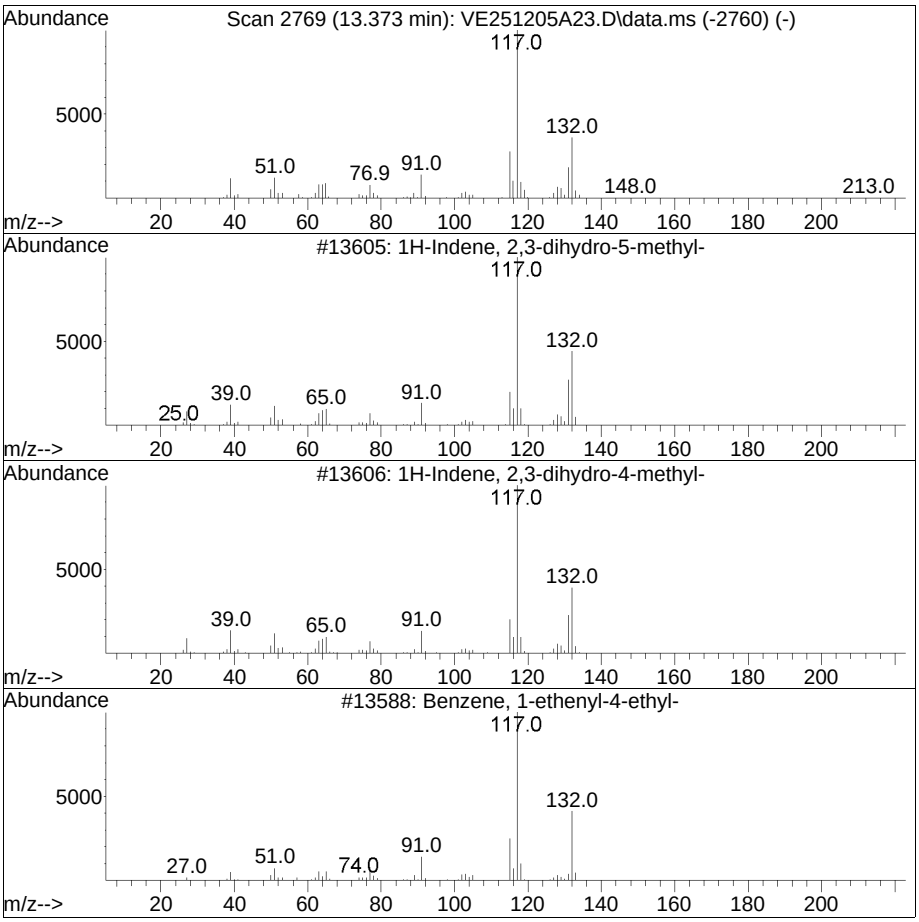
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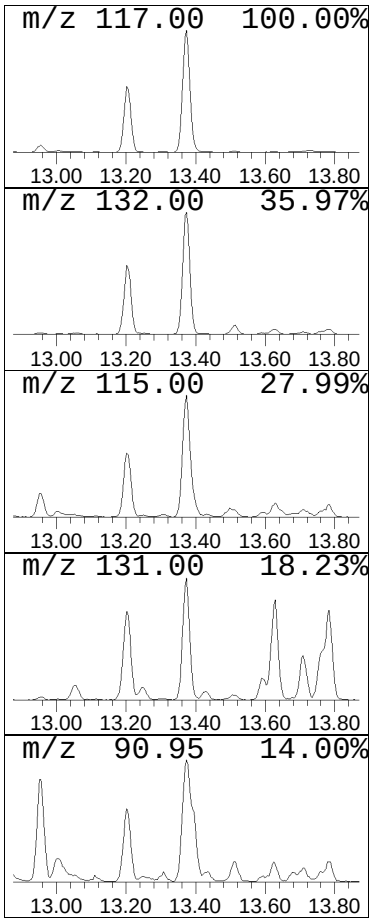
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Peak Number 10 Unknown Aromatic Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.373	60.15 ug/L	4180430	1,4-Dichlorobenzene-d4	11.906

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	94
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	93





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A23.D
Acq On : 5 Dec 2025 4:22 pm
Operator : ELAINE:MJV
Sample : L2575357-03D,31,2.0,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	2.016	48.8	ug/L	4036680	1	5.634	827565	10.0
Unknown	2.977	49.3	ug/L	4082590	1	5.634	827565	10.0
Unknown	3.973	34.8	ug/L	2877460	1	5.634	827565	10.0
Unknown	4.594	20.6	ug/L	1700750	1	5.634	827565	10.0
Unknown	5.792	22.3	ug/L	1845010	1	5.634	827565	10.0
Indane	12.091	97.3	ug/L	6760660	3	11.906	695024	10.0
Unknown Benzene	12.558	47.9	ug/L	3331340	3	11.906	695024	10.0
Unknown Aromatic	12.660	31.9	ug/L	2218910	3	11.906	695024	10.0
Unknown Aromatic	13.201	26.4	ug/L	1837760	3	11.906	695024	10.0
Unknown Aromatic	13.373	60.1	ug/L	4180430	3	11.906	695024	10.0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 08 12:54:27 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.629	96	211576	10.000 ug/L	0.00
Standard Area 1 = 195864			Recovery = 108.02%		
63) Chlorobenzene-d5	9.127	117	169665	10.000 ug/L	0.00
Standard Area 1 = 171189			Recovery = 99.11%		
84) 1,4-Dichlorobenzene-d4	11.911	152	92313	10.000 ug/L	0.00
Standard Area 1 = 98243			Recovery = 93.96%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.838	113	58019	9.949 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.49%		
47) 1,2-Dichloroethane-d4	5.349	65	79326	9.985 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.85%		
64) Toluene-d8	7.301	98	222417	9.796 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.96%		
88) 4-Bromofluorobenzene	10.659	95	90769	10.315 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.15%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.481	85	78	N.D.	
3) Chloromethane	1.694	50	262	N.D.	
4) Vinyl chloride	1.722	62	53	N.D.	
5) Bromomethane	1.998	94	267	0.081 ug/L	79
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	2.315	101	47	N.D.	
8) Ethyl ether	2.555	74	65	N.D.	
10) 1,1-Dichloroethene	2.623	96	45	N.D.	
11) Carbon disulfide	2.700	76	479	N.D.	
15) Methylene chloride	3.194	84	165	N.D.	
17) Acetone	3.239	43	4565	2.459 ug/L	94
18) trans-1,2-Dichloroethene	3.384	96	53	N.D.	
21) Methyl tert-butyl ether	3.438	73	9150	0.874 ug/L #	86
25) 1,1-Dichloroethane	3.910	63	49	N.D.	
27) Acrylonitrile	0.000		0	N.D. d	
29) Vinyl acetate	4.113	43	645	N.D.	
30) cis-1,2-Dichloroethene	4.421	96	48	N.D.	
31) 2,2-Dichloropropane	4.503	77	99	N.D.	
33) Bromochloromethane	4.517	128	57	N.D.	
35) Chloroform	4.671	83	286	Below Cal #	46

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 08 12:54:27 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.757	117	77	N.D.		
40) 1,1,1-Trichloroethane	4.784	97	72	N.D.		
42) 2-Butanone	0.000		0	N.D.	d	
43) 1,1-Dichloropropene	5.001	75	66	N.D.		
45) Benzene	5.217	78	4099	0.209	ug/L #	80
48) 1,2-Dichloroethane	5.441	62	98	N.D.		
52) Trichloroethene	0.000		0	N.D.	d	
54) Dibromomethane	6.252	93	46	N.D.		
55) 1,2-Dichloropropane	6.349	63	125	N.D.		
58) Bromodichloromethane	6.397	83	86	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	7.007	75	52	N.D.		
65) Toluene	7.354	92	1681	0.134	ug/L #	33
66) 4-Methyl-2-pentanone	7.784	58	47	N.D.		
67) Tetrachloroethene	0.000		0	N.D.	d	
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
73) Chlorodibromomethane	8.126	129	49	N.D.		
74) 1,3-Dichloropropane	8.341	76	49	N.D.		
75) 1,2-Dibromoethane	8.420	107	108	N.D.		
77) 2-Hexanone	8.780	43	111	N.D.		
78) Chlorobenzene	9.096	112	39	N.D.		
79) Ethylbenzene	9.307	91	125	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.232	131	47	N.D.		
81) p/m Xylene	9.368	106	1487	0.145	ug/L	89
82) o Xylene	0.000		0	N.D.	d	
83) Styrene	9.921	104	98	N.D.		
85) Bromoform	0.000		0	N.D.	d	
87) Isopropylbenzene	10.329	105	44314	1.649	ug/L	95
89) Bromobenzene	10.827	156	64	N.D.		
90) n-Propylbenzene	10.831	91	40230	1.188	ug/L	99
92) 1,1,2,2-Tetrachloroethane	10.946	83	42	N.D.		
93) 4-Ethyltoluene	10.963	105	874	N.D.		
94) 2-Chlorotoluene	0.000		0	N.D.	d	
95) 1,3,5-Trimethylbenzene	11.060	105	409	N.D.		
96) 1,2,3-Trichloropropane	11.038	75	60	N.D.		
97) trans-1,4-Dichloro-2-b...	11.087	53	135	N.D.		
98) 4-Chlorotoluene	11.342	91	184	N.D.		
99) tert-Butylbenzene	11.413	119	1505	0.078	ug/L #	65

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 08 12:54:27 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.497	105	1197	N.D.		
103) sec-Butylbenzene	11.607	105	18894	0.643	ug/L #	56
104) p-Isopropyltoluene	11.770	119	734	N.D.		
105) 1,3-Dichlorobenzene	11.770	146	48	N.D.		
106) 1,4-Dichlorobenzene	11.924	146	40	N.D.		
107) p-Diethylbenzene	12.149	119	12365	0.849	ug/L	83
108) n-Butylbenzene	12.206	91	5822	0.243	ug/L	96
109) 1,2-Dichlorobenzene	12.417	146	50	N.D.		
110) 1,2,4,5-Tetramethylben...	12.862	119	645	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113) Hexachlorobutadiene	0.000		0	N.D.	d	
114) 1,2,4-Trichlorobenzene	13.708	180	57	N.D.		
115) Naphthalene	14.074	128	3216	0.210	ug/L	100
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d	

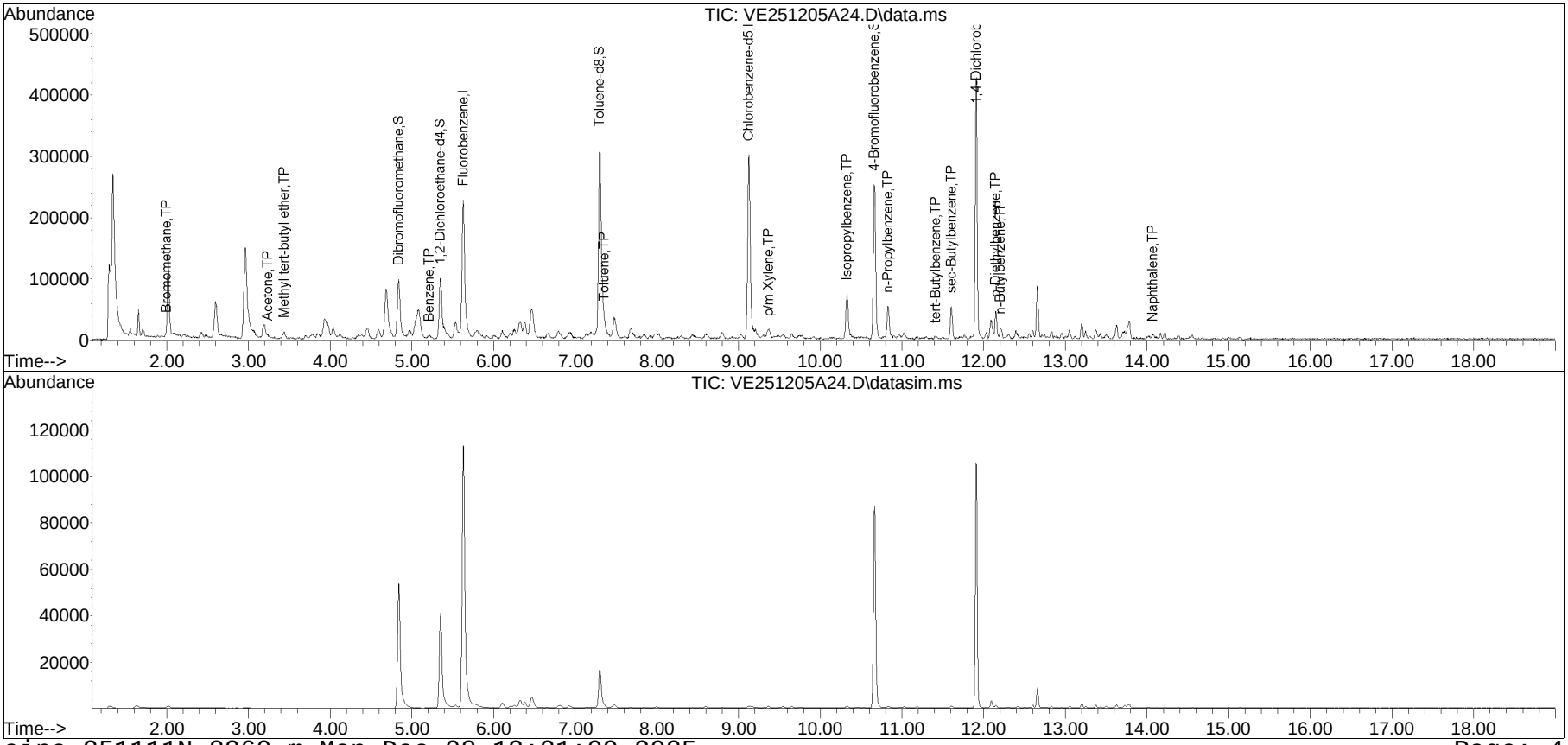
(#) = qualifier out of range (m) = manual integration (+) = signals summed

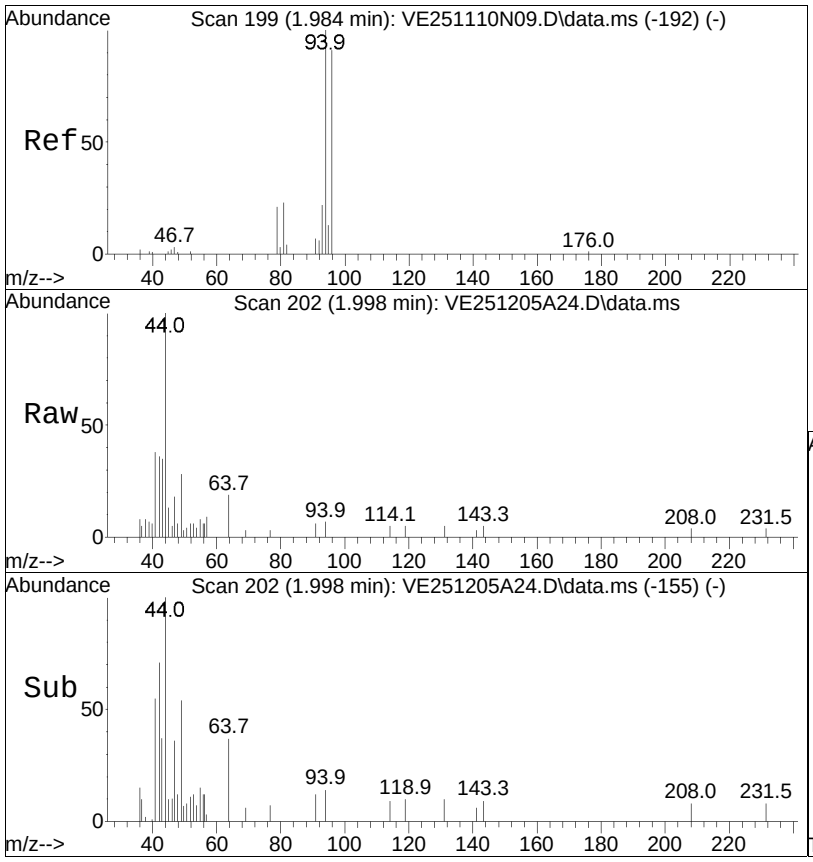
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 08 12:54:27 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51205A01.D•

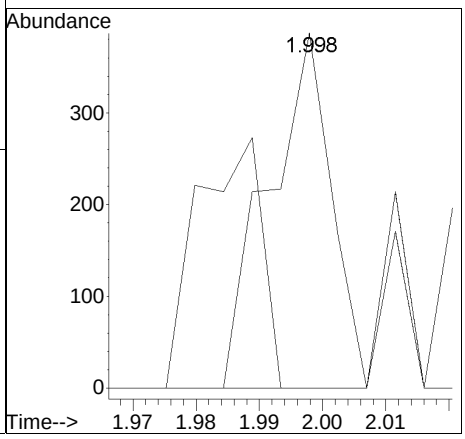


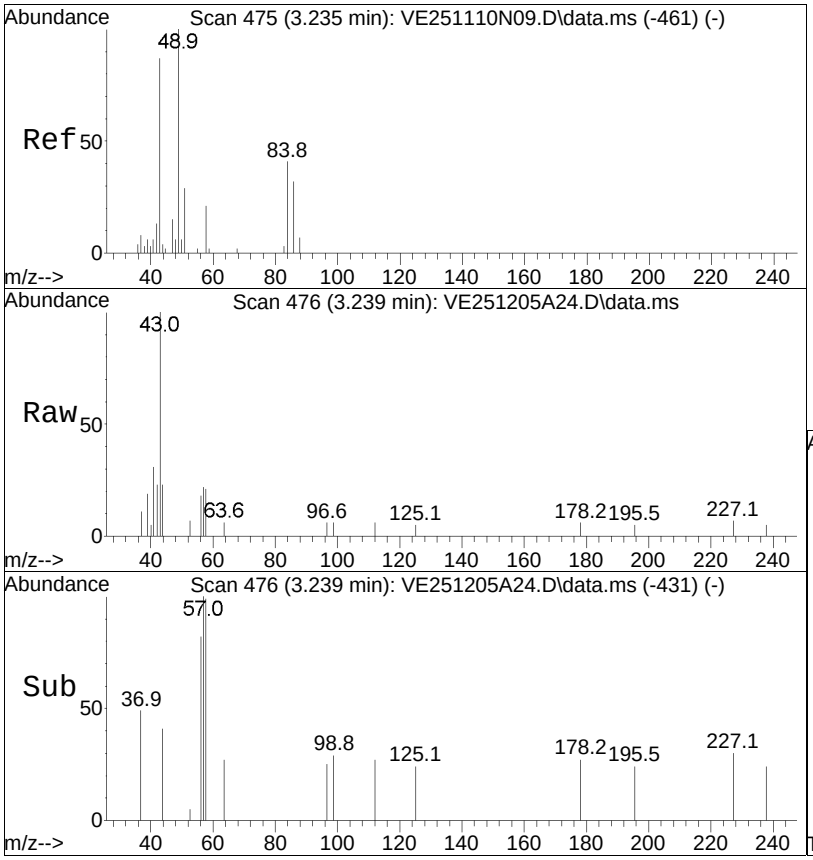


#5
Bromomethane
Concen: 0.08 ug/L
RT: 1.998 min Scan# 202
Delta R.T. 0.014 min
Lab File: VE251205A24.D
Acq: 5 Dec 2025 4:47 pm

Tgt Ion: 94 Resp: 267

Ion	Ratio	Lower	Upper
94	100		
96	71.9	71.9	111.9

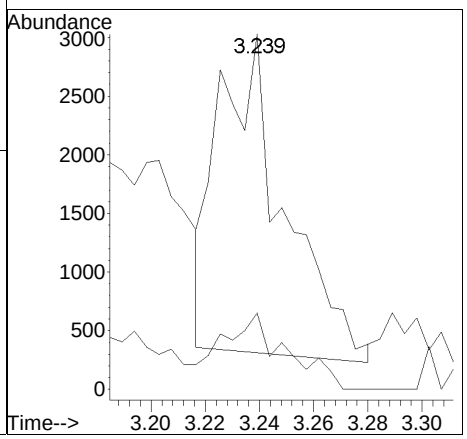


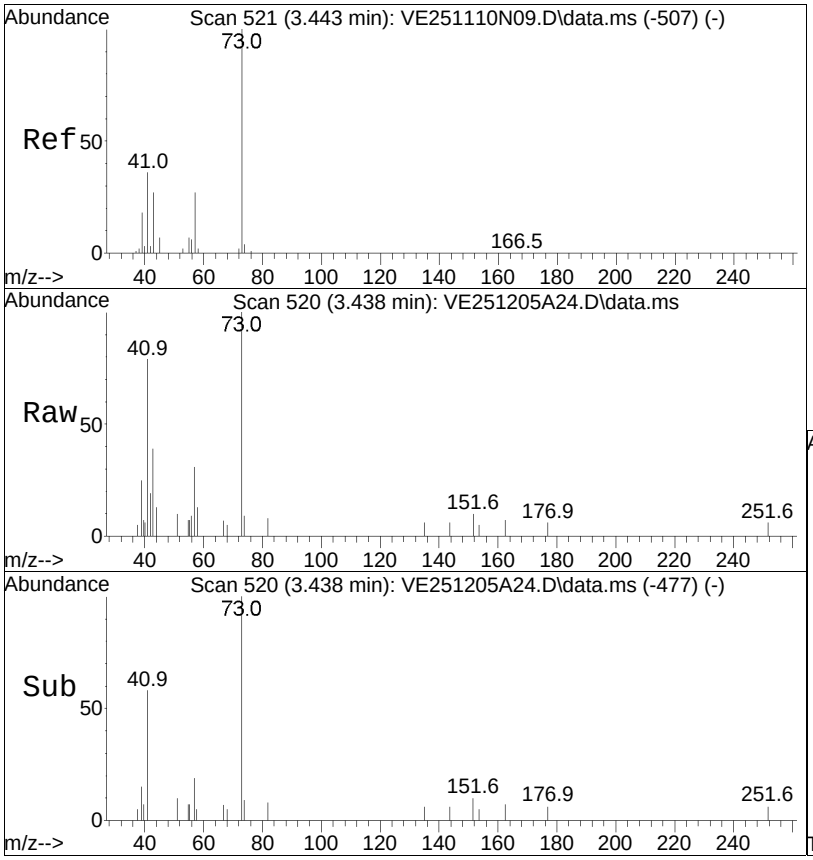


#17
Acetone
Concen: 2.46 ug/L
RT: 3.239 min Scan# 476
Delta R.T. 0.004 min
Lab File: VE251205A24.D
Acq: 5 Dec 2025 4:47 pm

Tgt Ion: 43 Resp: 4565

Ion	Ratio	Lower	Upper
43	100		
58	23.1	16.2	24.4

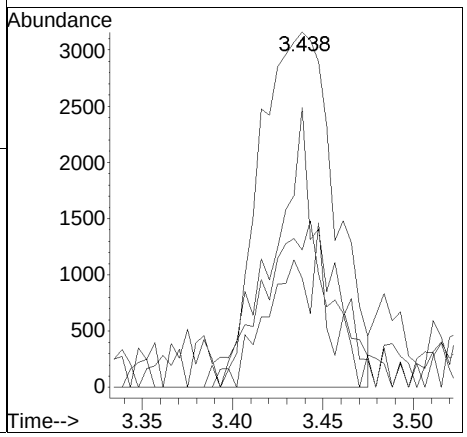


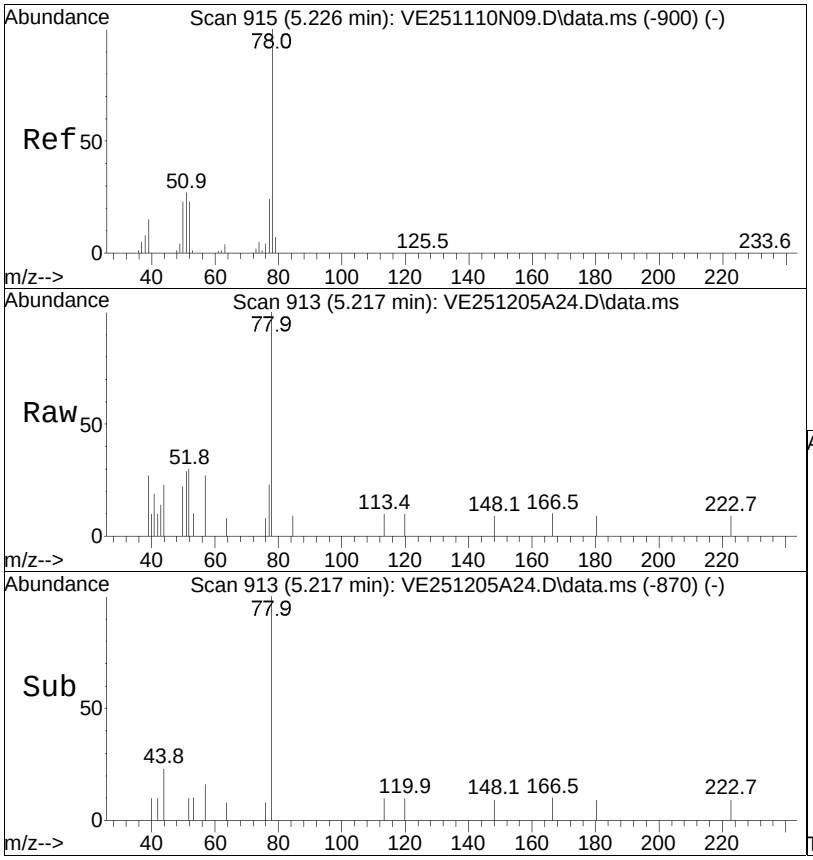


#21
Methyl tert-butyl ether
Concen: 0.87 ug/L
RT: 3.438 min Scan# 520
Delta R.T. -0.005 min
Lab File: VE251205A24.D
Acq: 5 Dec 2025 4:47 pm

Tgt Ion: 73 Resp: 9150

Ion	Ratio	Lower	Upper
73	100		
57	20.9	21.3	44.1#
43	40.0	0.0	0.0#
41	52.1	30.0	62.2

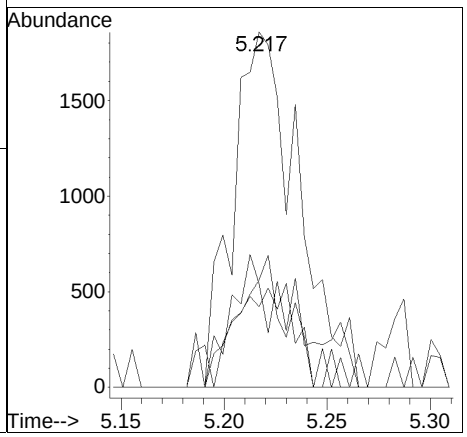


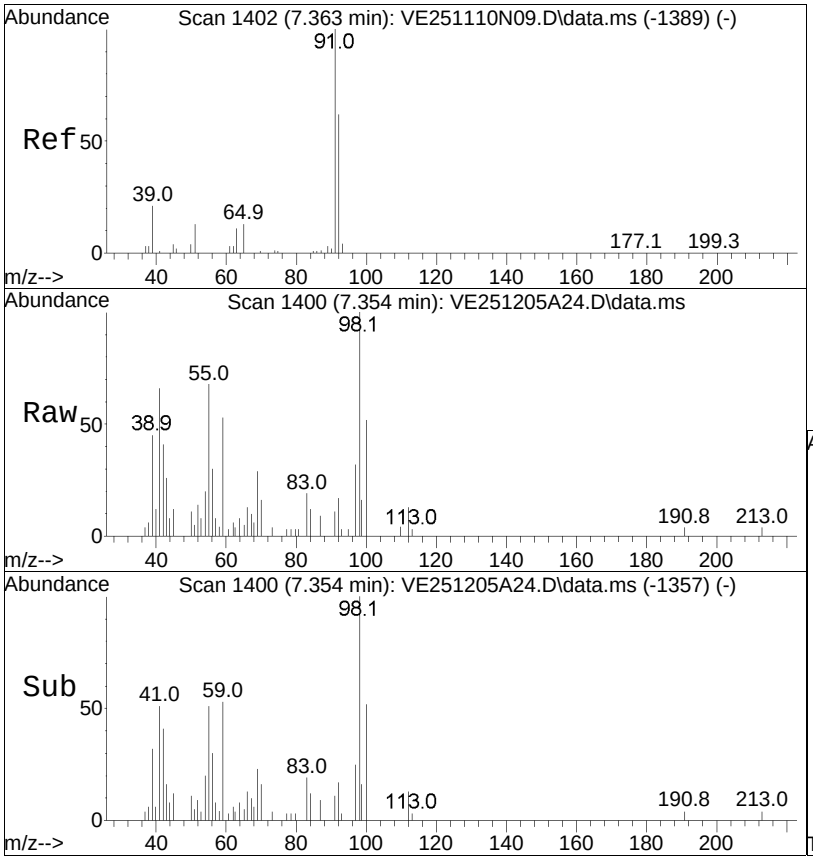


#45
Benzene
Concen: 0.21 ug/L
RT: 5.217 min Scan# 913
Delta R.T. -0.009 min
Lab File: VE251205A24.D
Acq: 5 Dec 2025 4:47 pm

Tgt Ion: 78 Resp: 4099

Ion	Ratio	Lower	Upper
78	100		
77	26.1	15.7	32.7
51	0.0	17.1	35.5#
52	25.9	16.2	33.6

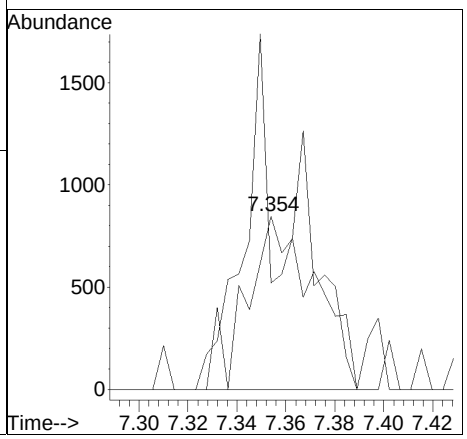


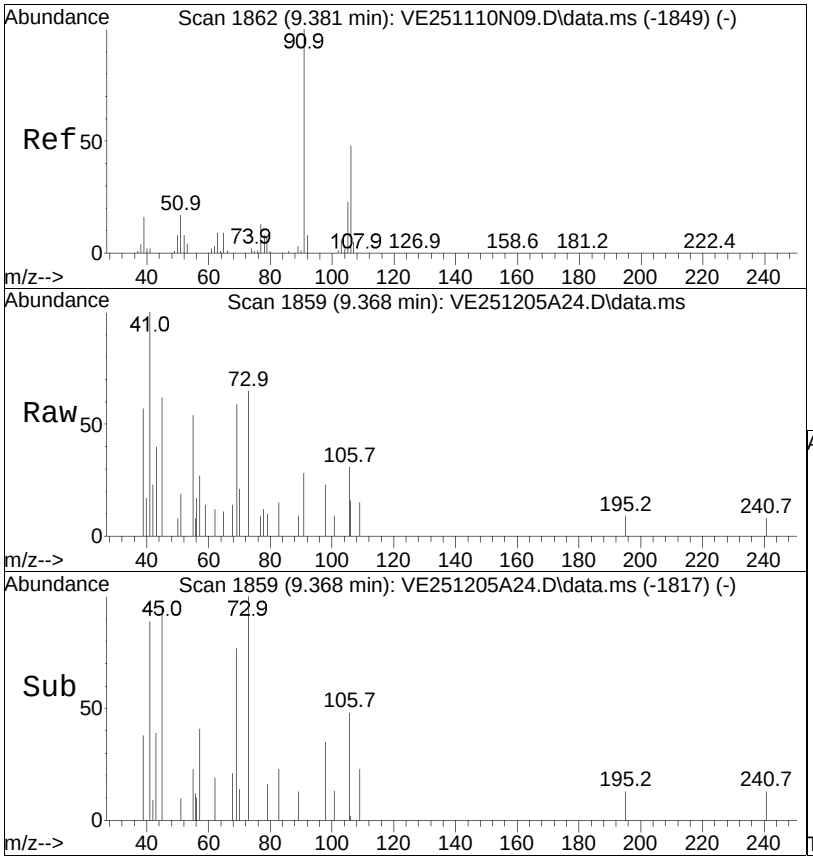


#65
Toluene
Concen: 0.13 ug/L
RT: 7.354 min Scan# 1400
Delta R.T. -0.009 min
Lab File: VE251205A24.D
Acq: 5 Dec 2025 4:47 pm

Tgt Ion: 92 Resp: 1681

Ion	Ratio	Lower	Upper
92	100		
91	79.2	136.4	204.6#

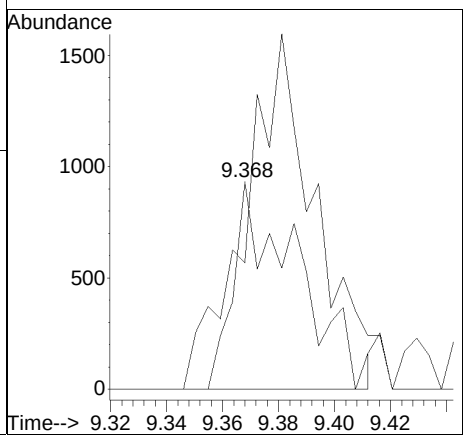


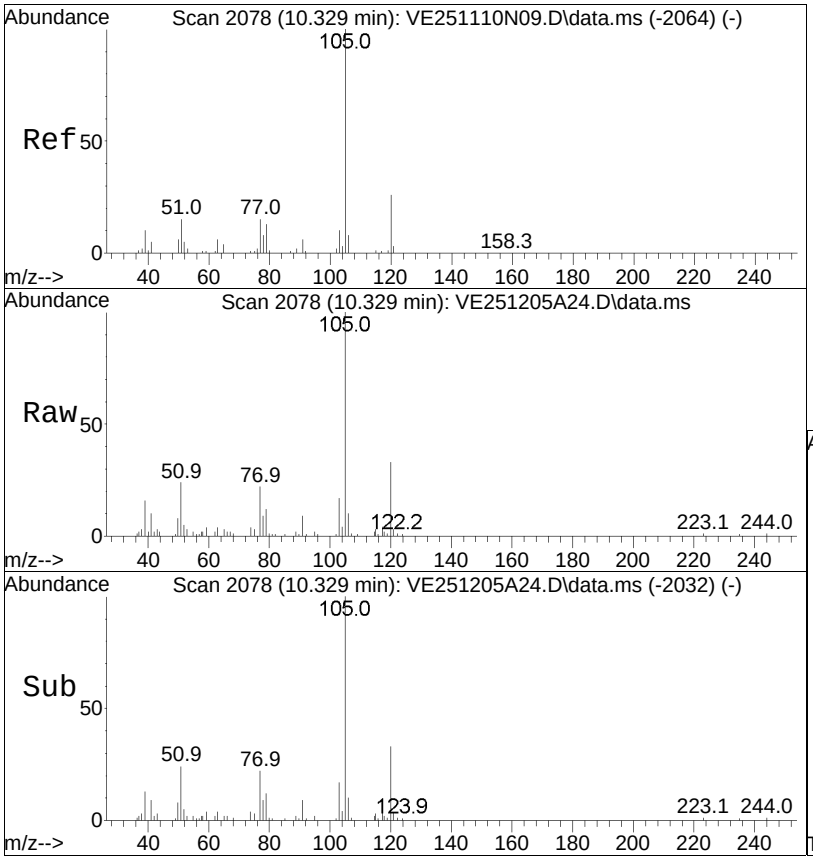


#81
p/m Xylene
Concen: 0.14 ug/L
RT: 9.368 min Scan# 1859
Delta R.T. -0.013 min
Lab File: VE251205A24.D
Acq: 5 Dec 2025 4:47 pm

Tgt Ion:106 Resp: 1487

Ion	Ratio	Lower	Upper
106	100		
91	190.2	165.2	247.8

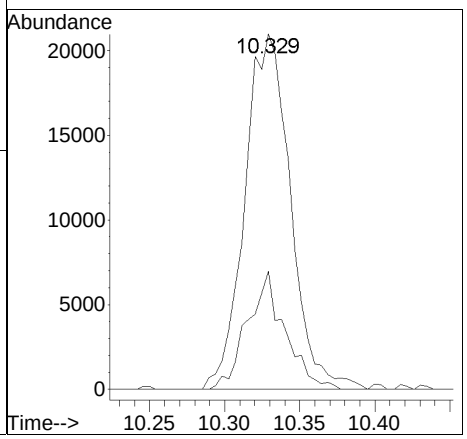


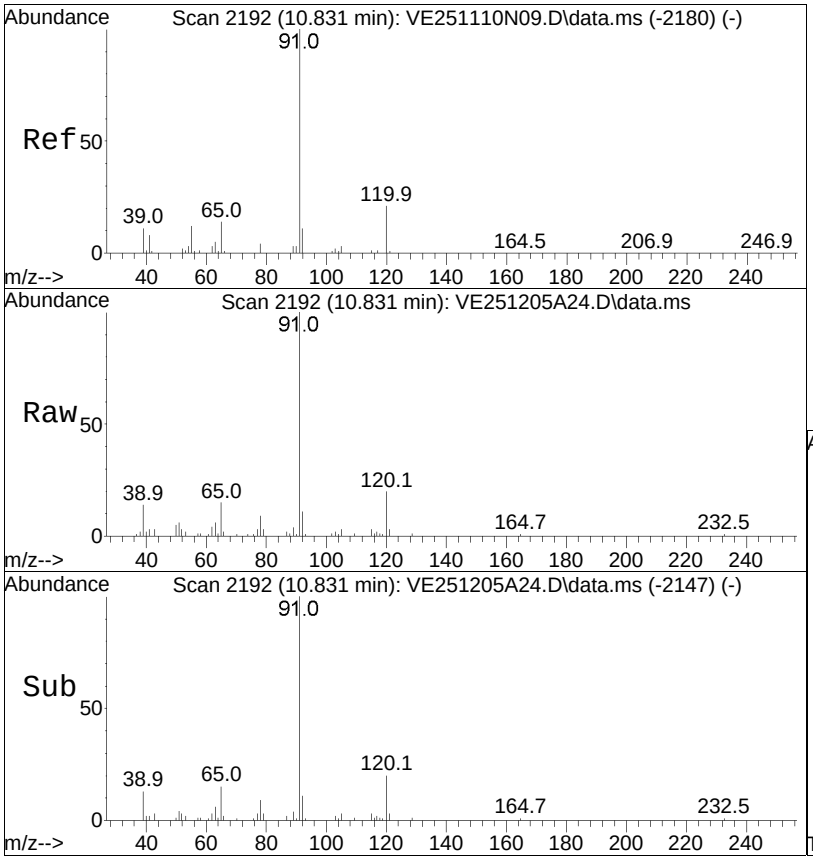


#87
Isopropylbenzene
Concen: 1.65 ug/L
RT: 10.329 min Scan# 2078
Delta R.T. 0.000 min
Lab File: VE251205A24.D
Acq: 5 Dec 2025 4:47 pm

Tgt Ion:105 Resp: 44314

Ion	Ratio	Lower	Upper
105	100		
120	27.3	5.0	45.0

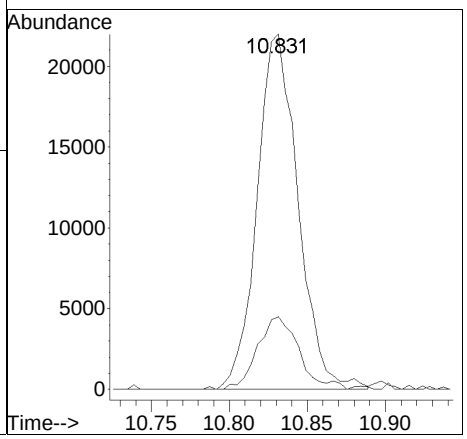


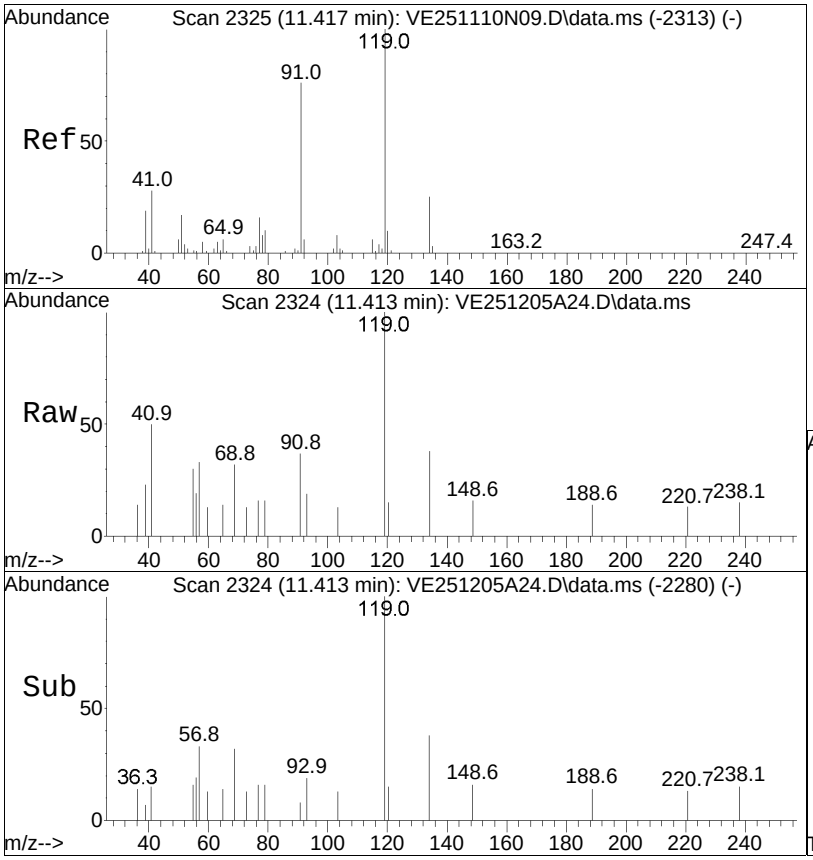


#90
n-Propylbenzene
Concen: 1.19 ug/L
RT: 10.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: VE251205A24.D
Acq: 5 Dec 2025 4:47 pm

Tgt Ion: 91 Resp: 40230

Ion	Ratio	Lower	Upper
91	100		
120	20.6	16.7	25.1

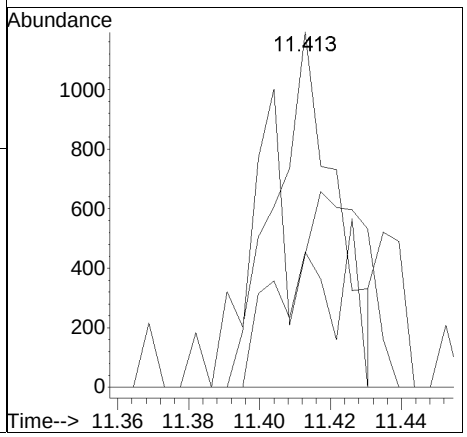


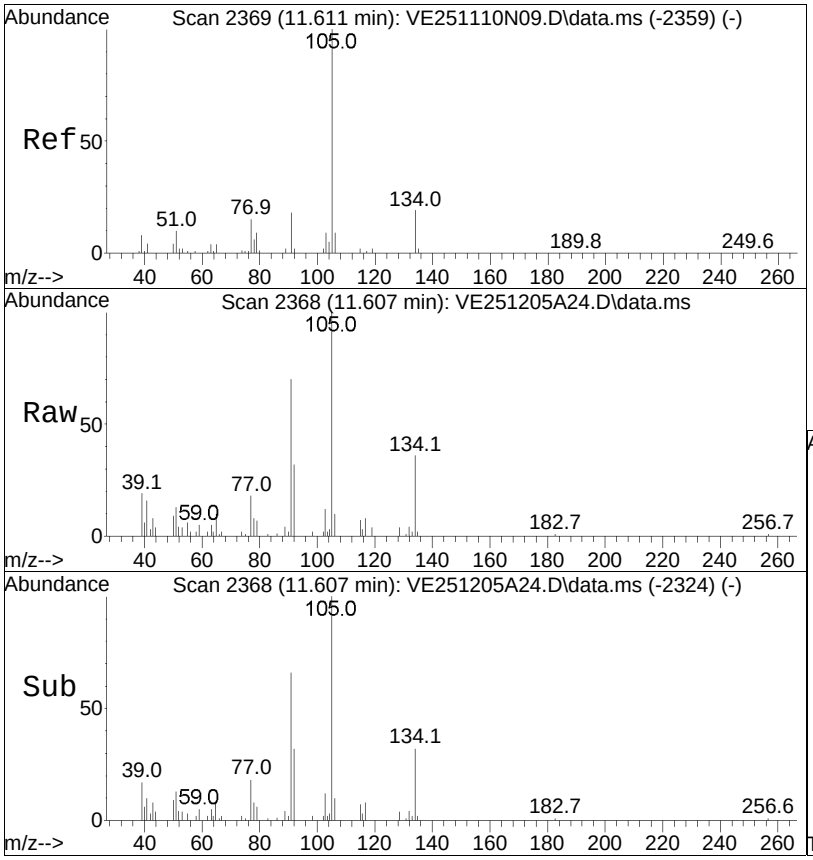


#99
tert-Butylbenzene
Concen: 0.08 ug/L
RT: 11.413 min Scan# 2324
Delta R.T. -0.004 min
Lab File: VE251205A24.D
Acq: 5 Dec 2025 4:47 pm

Tgt Ion:119 Resp: 1505

Ion	Ratio	Lower	Upper
119	100		
91	44.8	59.3	88.9#
134	43.0	19.4	29.2#

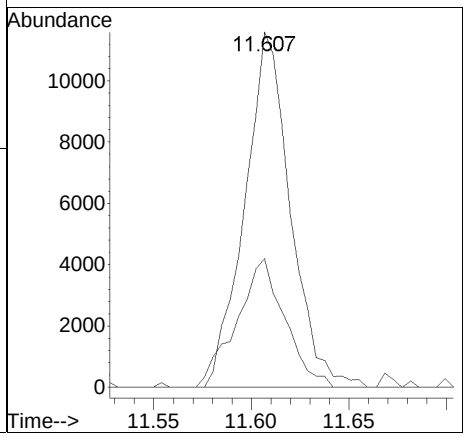


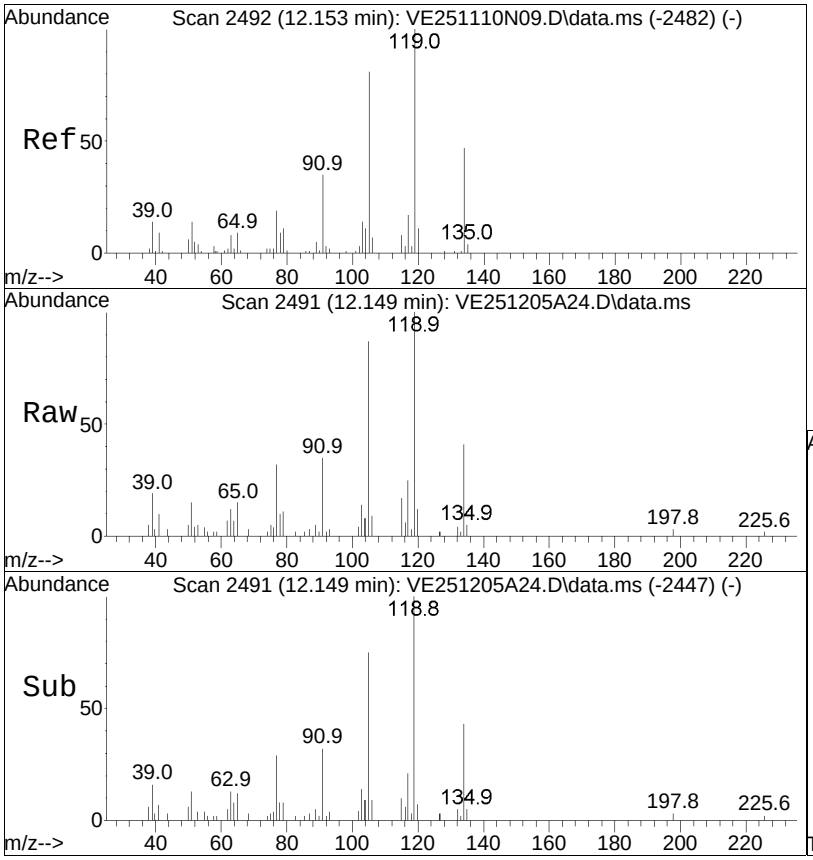


#103
sec-Butylbenzene
Concen: 0.64 ug/L
RT: 11.607 min Scan# 2368
Delta R.T. -0.004 min
Lab File: VE251205A24.D
Acq: 5 Dec 2025 4:47 pm

Tgt Ion:105 Resp: 18894

Ion	Ratio	Lower	Upper
105	100		
134	38.2	12.2	25.2#

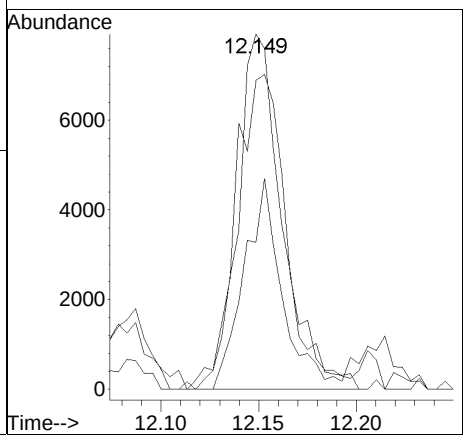


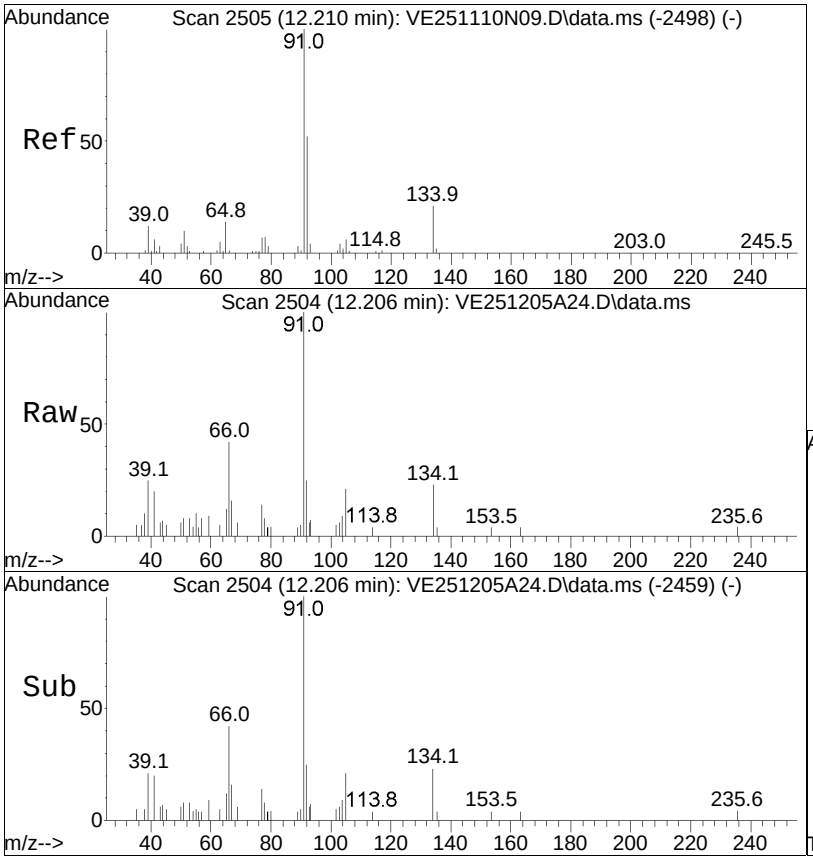


#107
p-Diethylbenzene
Concen: 0.85 ug/L
RT: 12.149 min Scan# 2491
Delta R.T. -0.004 min
Lab File: VE251205A24.D
Acq: 5 Dec 2025 4:47 pm

Tgt Ion:119 Resp: 12365

Ion	Ratio	Lower	Upper
119	100		
105	104.9	55.8	115.8
134	51.9	29.2	60.6

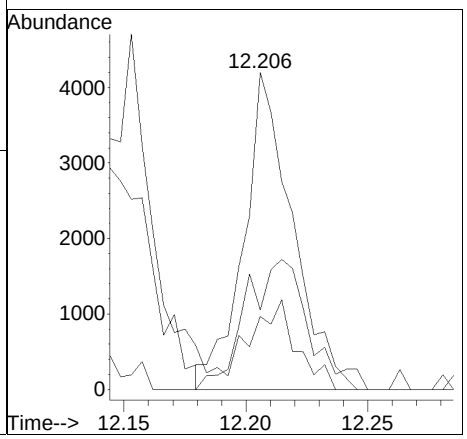


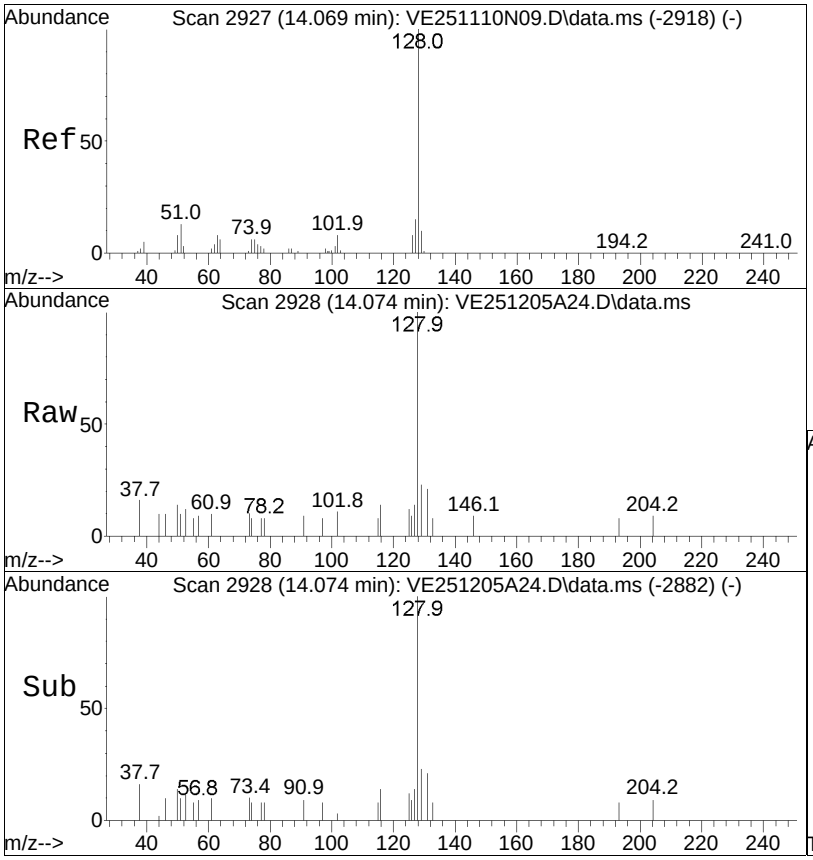


#108
n-Butylbenzene
Concen: 0.24 ug/L
RT: 12.206 min Scan# 2504
Delta R.T. -0.004 min
Lab File: VE251205A24.D
Acq: 5 Dec 2025 4:47 pm

Tgt Ion: 91 Resp: 5822

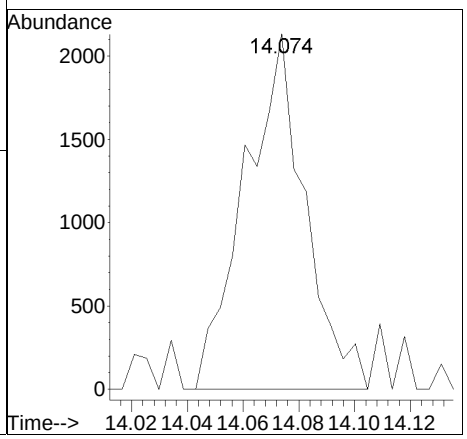
Ion	Ratio	Lower	Upper
91	100		
92	53.5	41.4	62.0
134	26.5	18.8	28.2





#115
Naphthalene
Concen: 0.21 ug/L
RT: 14.074 min Scan# 2928
Delta R.T. 0.005 min
Lab File: VE251205A24.D
Acq: 5 Dec 2025 4:47 pm

Tgt Ion:128 Resp: 3216



Manual Integration Report

Data Path	: K:\Elaine\2025\251205A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251205A24.D	Operator	: ELAINE:MJV
Date Inj'd	: 12/5/2025 4:47 pm	Instrument	: Elaine
Sample	: L2575357-04,31,10,10,,A	Quant Date	: 12/5/2025 7:59 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251205A24.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.654	121	126	132	rBV	43623	49181	5.94%	0.710%
2	2.021	197	207	218	rBV	135348	216209	26.09%	3.121%
3	2.600	325	335	347	rBV3	58921	140873	17.00%	2.033%
4	2.963	401	415	435	rBV2	148468	459865	55.50%	6.637%
5	3.194	457	466	490	rVB5	23246	71661	8.65%	1.034%
6	3.438	507	520	530	rBV5	11503	27188	3.28%	0.392%
7	3.932	619	629	645	rVV6	30605	122774	14.82%	1.772%
8	4.041	646	653	662	rVB8	15474	32473	3.92%	0.469%
9	4.449	735	743	759	rVB9	17884	48198	5.82%	0.696%
10	4.594	764	775	783	rBV6	16010	40319	4.87%	0.582%
11	4.684	785	795	815	rVV3	78584	234354	28.28%	3.382%
12	4.838	819	829	847	rVV2	93771	226627	27.35%	3.271%
13	5.083	867	883	904	rVB5	48146	200761	24.23%	2.898%
14	5.349	929	943	963	rBV3	99448	273565	33.01%	3.948%
15	5.537	975	986	994	rBV4	27840	71100	8.58%	1.026%
16	5.629	997	1007	1031	rVB	224080	550197	66.40%	7.941%
17	6.108	1107	1116	1124	rBV6	14398	32624	3.94%	0.471%
18	6.327	1157	1166	1172	rVV4	23912	60399	7.29%	0.872%
19	6.380	1173	1178	1187	rVV6	23572	53109	6.41%	0.767%
20	6.468	1189	1198	1215	rVB5	46294	146629	17.70%	2.116%
21	6.792	1264	1272	1289	rVB8	13281	38606	4.66%	0.557%
22	6.937	1292	1305	1313	rBV9	9834	31350	3.78%	0.452%
23	7.301	1373	1388	1418	rVB	319655	828641	100.00%	11.960%
24	7.477	1418	1428	1440	rBV8	32106	78252	9.44%	1.129%
25	7.687	1466	1476	1490	rBV7	15750	46842	5.65%	0.676%
26	8.798	1720	1729	1738	rVB8	10891	26410	3.19%	0.381%
27	9.127	1792	1804	1819	rBV2	300606	682515	82.37%	9.851%
28	9.372	1851	1860	1868	rVB8	14978	37436	4.52%	0.540%

LSC Area Percent Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

29	10.329	2067	2078	2087	rBV3	72789	153490	18.52%	2.215%
30	10.659	2142	2153	2168	rBV4	252150	516728	62.36%	7.458%
31	10.827	2183	2191	2205	rVB	51633	103577	12.50%	1.495%
32	11.607	2357	2368	2377	rBV3	53081	96135	11.60%	1.388%
33	11.911	2427	2437	2457	rVB	425228	695733	83.96%	10.041%
34	12.087	2470	2477	2486	rBV6	31164	69438	8.38%	1.002%
35	12.149	2486	2491	2500	rVV3	44259	73902	8.92%	1.067%
36	12.206	2500	2504	2512	rVB4	17075	29874	3.61%	0.431%
37	12.395	2536	2547	2560	rBV3	14438	34720	4.19%	0.501%
38	12.660	2599	2607	2616	rVV	83556	134018	16.17%	1.934%
39	13.206	2723	2731	2736	rBV4	26573	44269	5.34%	0.639%
40	13.369	2761	2768	2777	rBV6	15783	33337	4.02%	0.481%
41	13.624	2815	2826	2833	rBV3	23165	47616	5.75%	0.687%
42	13.783	2853	2862	2871	rVB2	29489	67595	8.16%	0.976%

Sum of corrected areas: 6928590
Signal : TIC: VE251205A24.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

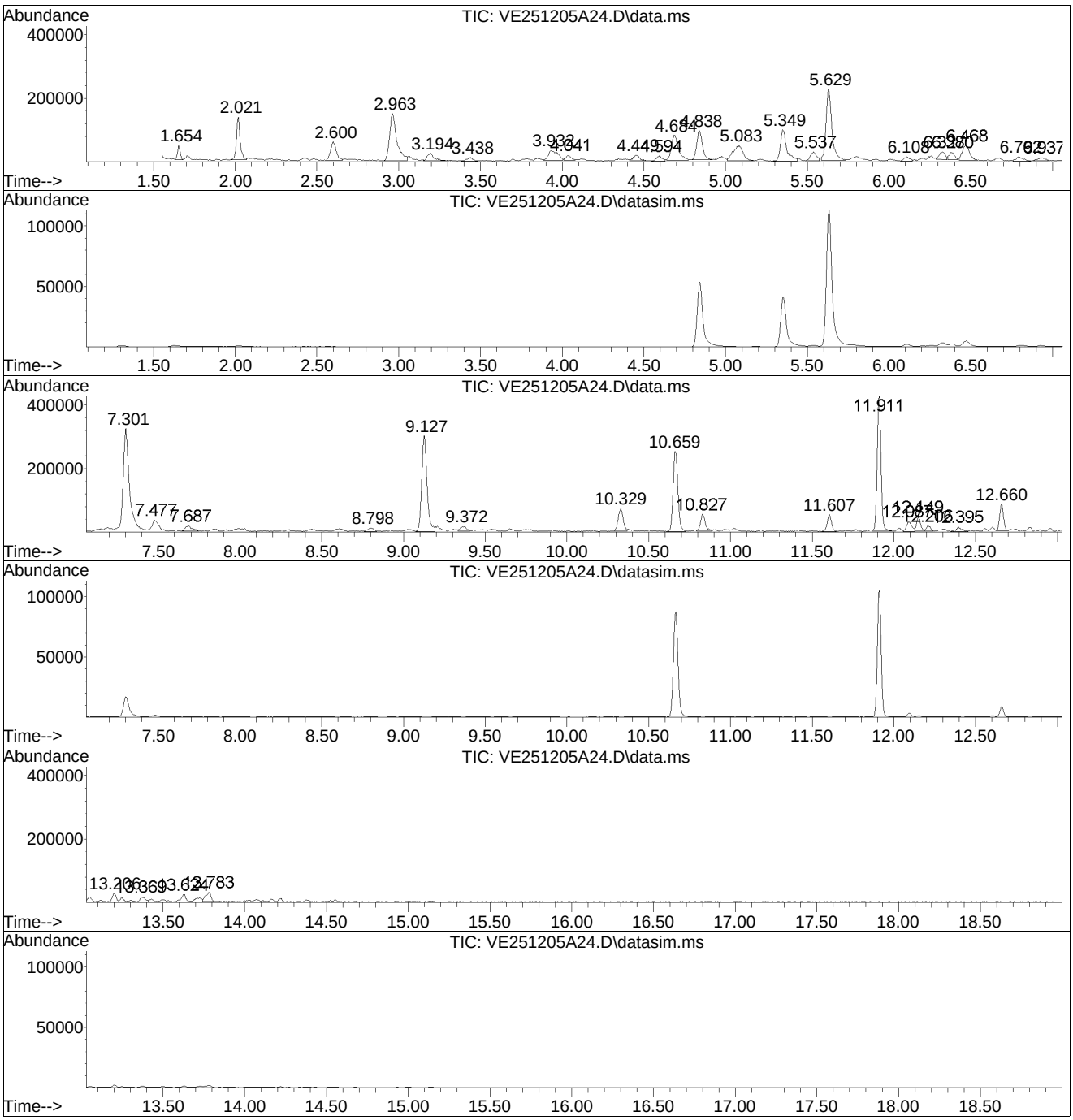
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

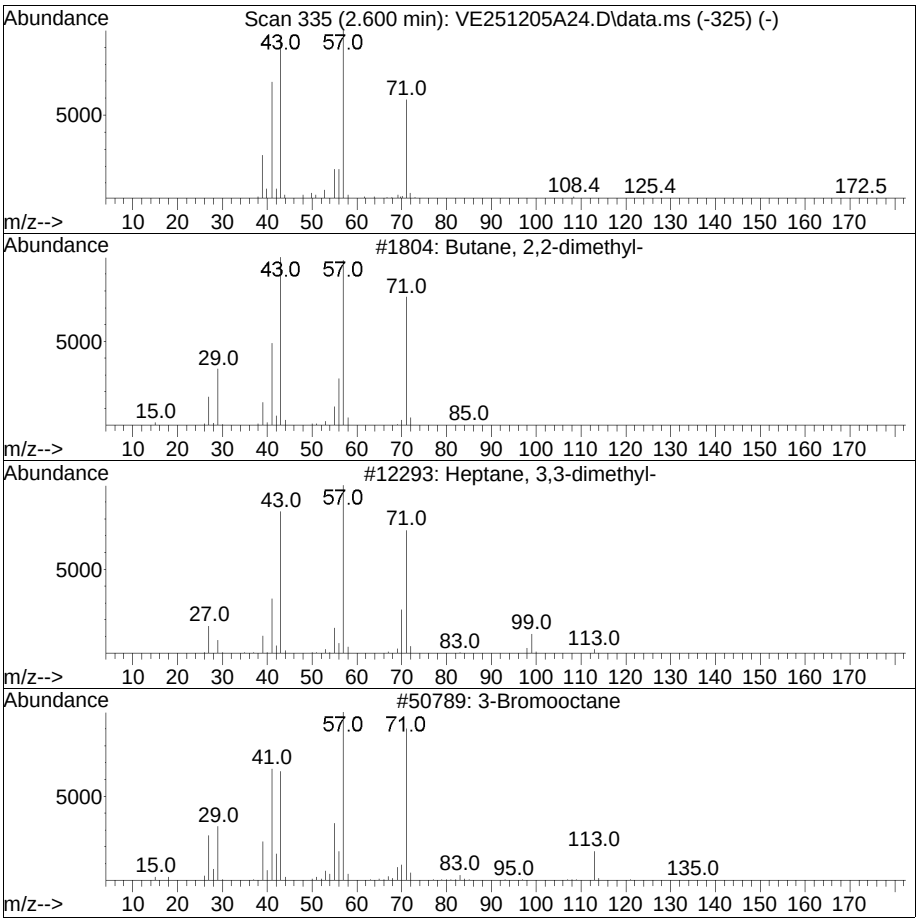
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TIC Integration Parameters: rteint.p

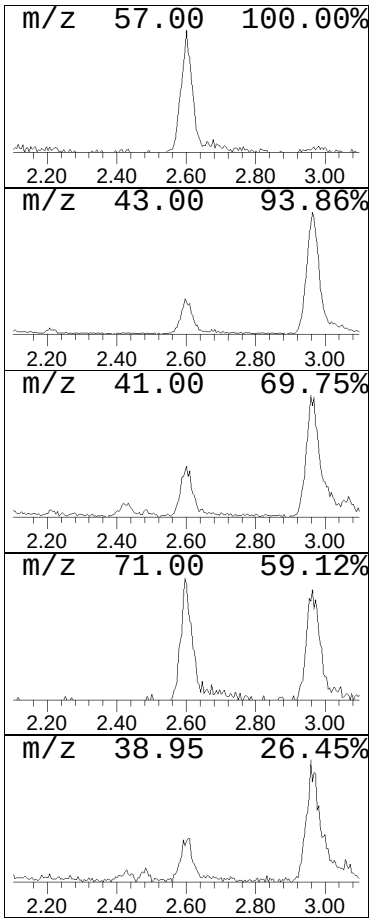
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Peak Number 1 Unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.600	2.56 ug/L	140873	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	64
2	Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	50
3	3-Bromooctane	192	C8H17Br	000999-64-4	50
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	45
5	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	43





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

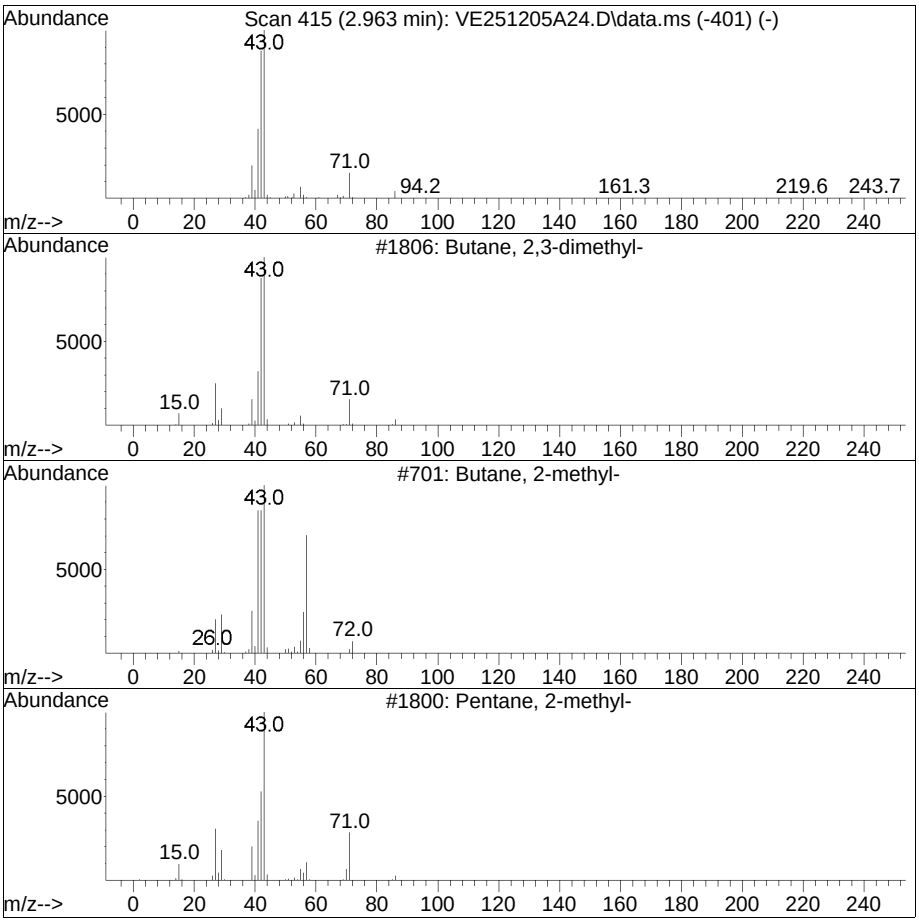
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TIC Integration Parameters: rteint.p

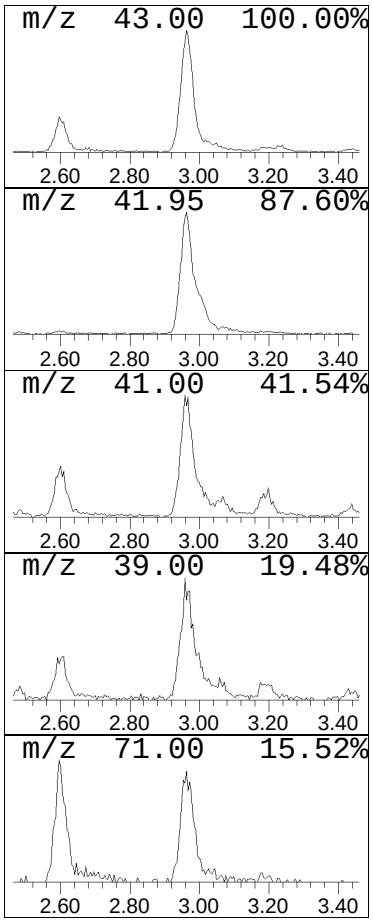
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Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.963	8.36 ug/L	459865	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Butane, 2-methyl-	72	C5H12	000078-78-4	38
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	25
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	1,2,3-Trimethyldiaziridine	86	C4H10N2	113604-56-1	5





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

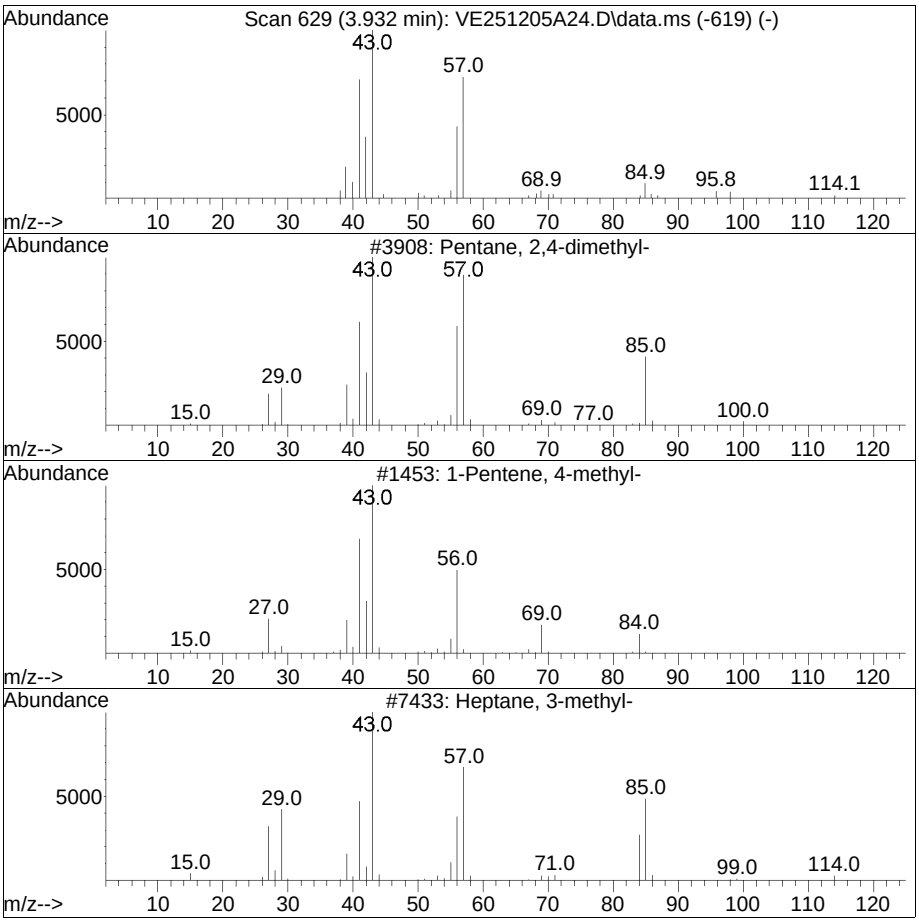
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TIC Integration Parameters: rteint.p

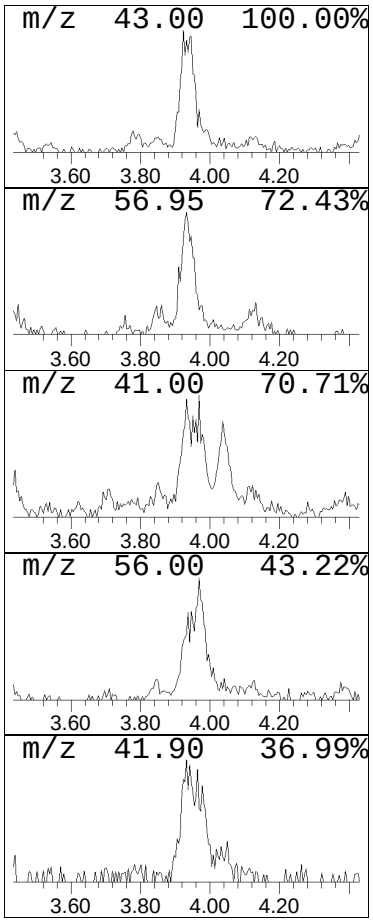
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Peak Number 3 Unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.932	2.23 ug/L	122774	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	56
2	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	42
3	Heptane, 3-methyl-	114	C8H18	000589-81-1	40
4	Pentane, 3-methyl-	86	C6H14	000096-14-0	35
5	Hexane	86	C6H14	000110-54-3	33





Library Search Compound Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

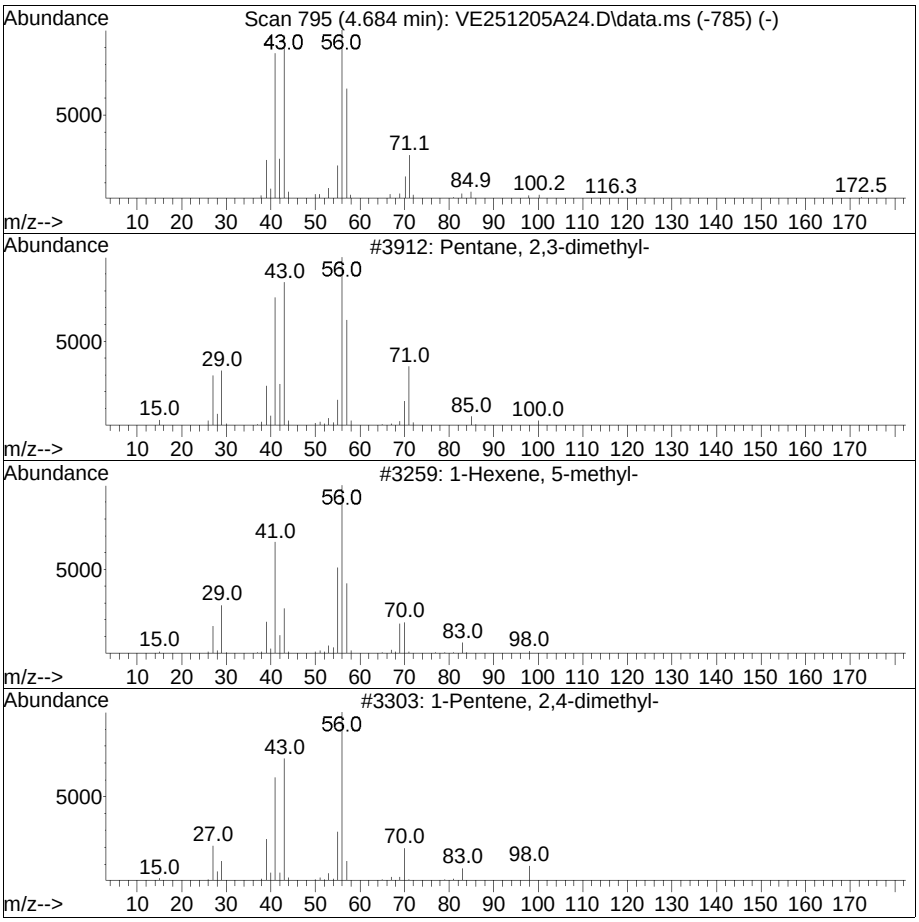
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TIC Integration Parameters: rteint.p

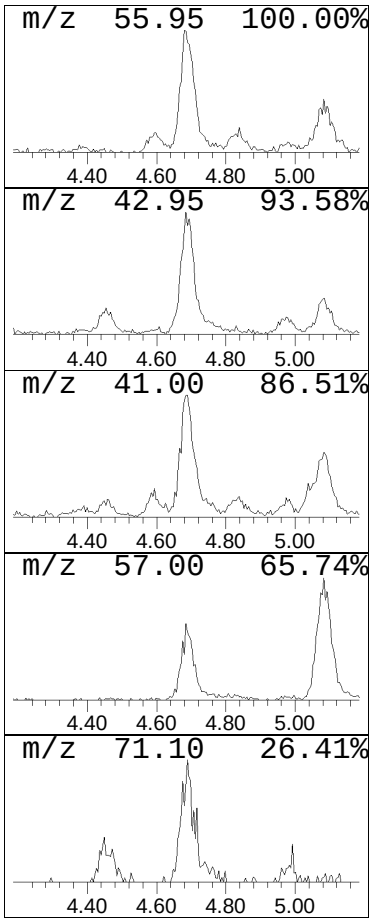
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Peak Number 4 Pentane, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.684	4.26 ug/L	234354	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
2	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	47
3	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	45
4	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	40
5	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	40





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

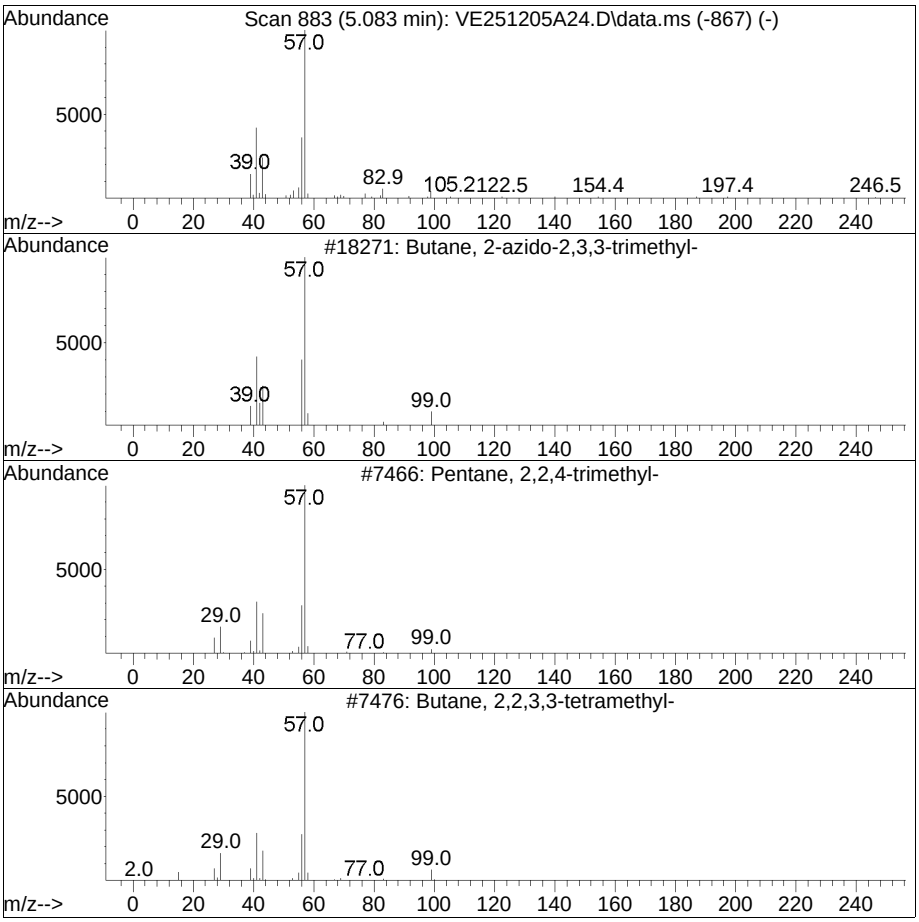
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TIC Integration Parameters: rteint.p

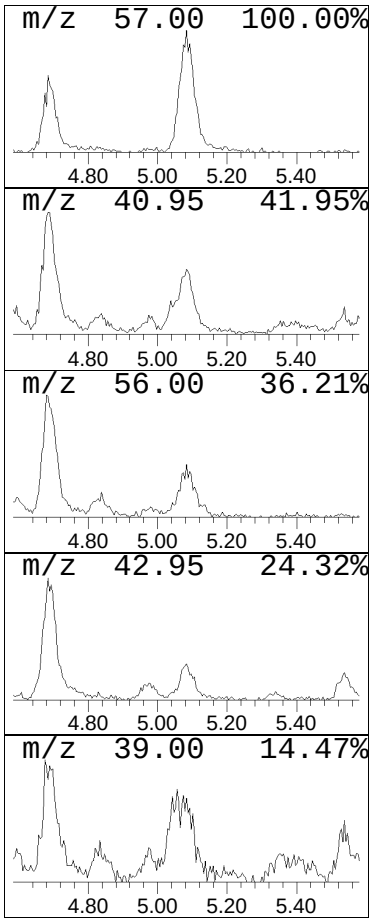
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Peak Number 5 Unknown Alkane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.083	3.65 ug/L	200761	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-azido-2,3,3-trimethyl-	141	C7H15N3	051677-41-9	59
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	53
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	40
4	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	40
5	Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	38





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

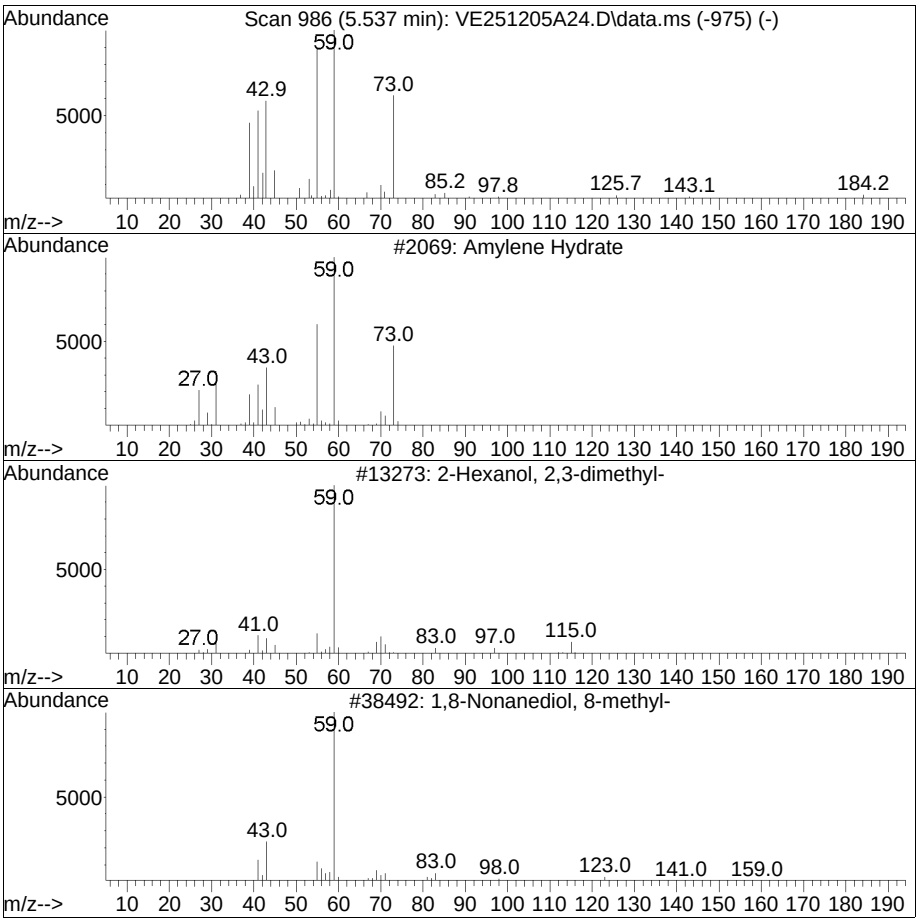
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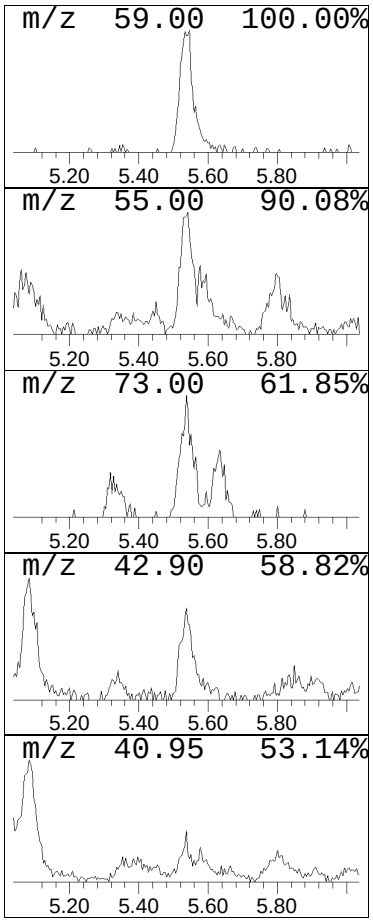
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Peak Number 6 Unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.537	1.29 ug/L	71100	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	42
2	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	32
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	32
4	3-Hexanol	102	C6H14O	000623-37-0	25
5	Oxetane, 2,2,3-trimethyl-	100	C6H12O	023120-43-6	23





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

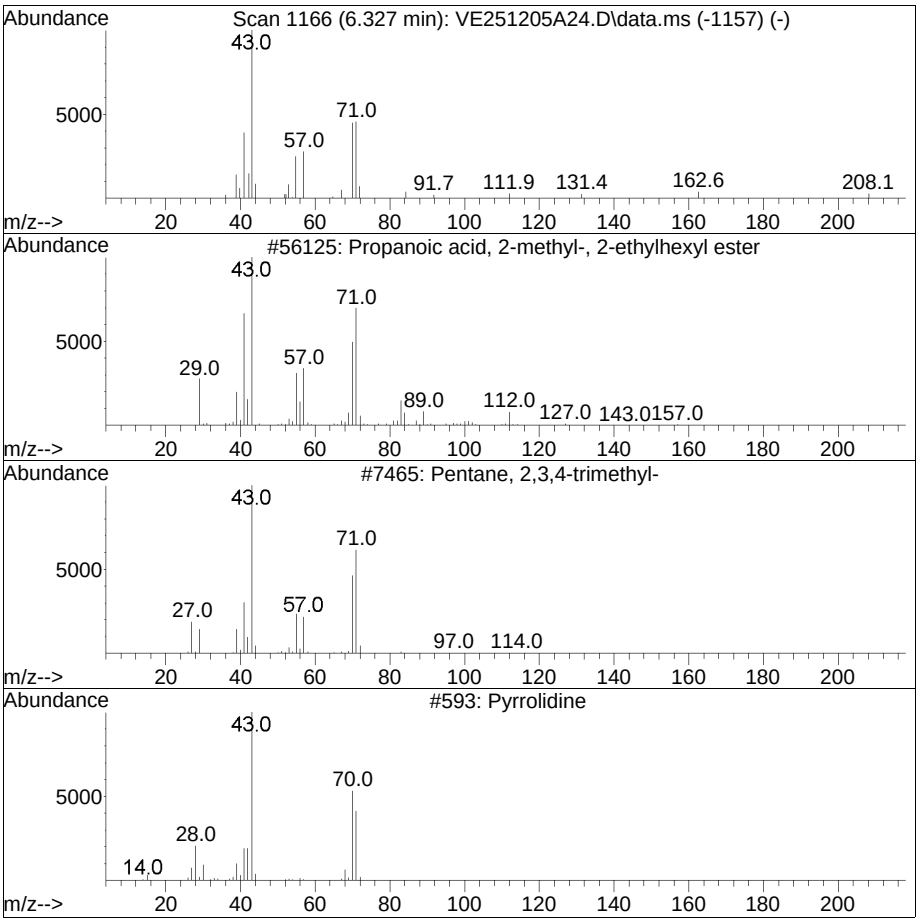
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TIC Integration Parameters: rteint.p

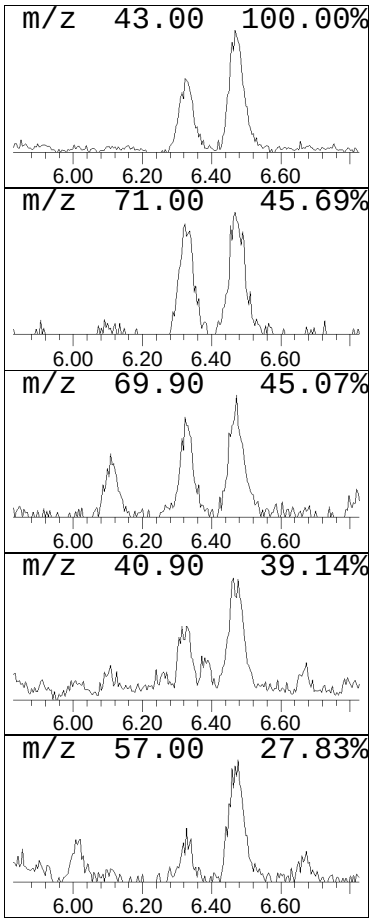
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Peak Number 7 Unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.327	1.10 ug/L	60399	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 2-eth...	200	C12H24O2	035061-61-1	78
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	56
3	Pyrrolidine	71	C4H9N	000123-75-1	56
4	Trichloroacetic acid 3-methylbut...	232	C7H11Cl3O2	057392-55-9	56
5	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	42





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

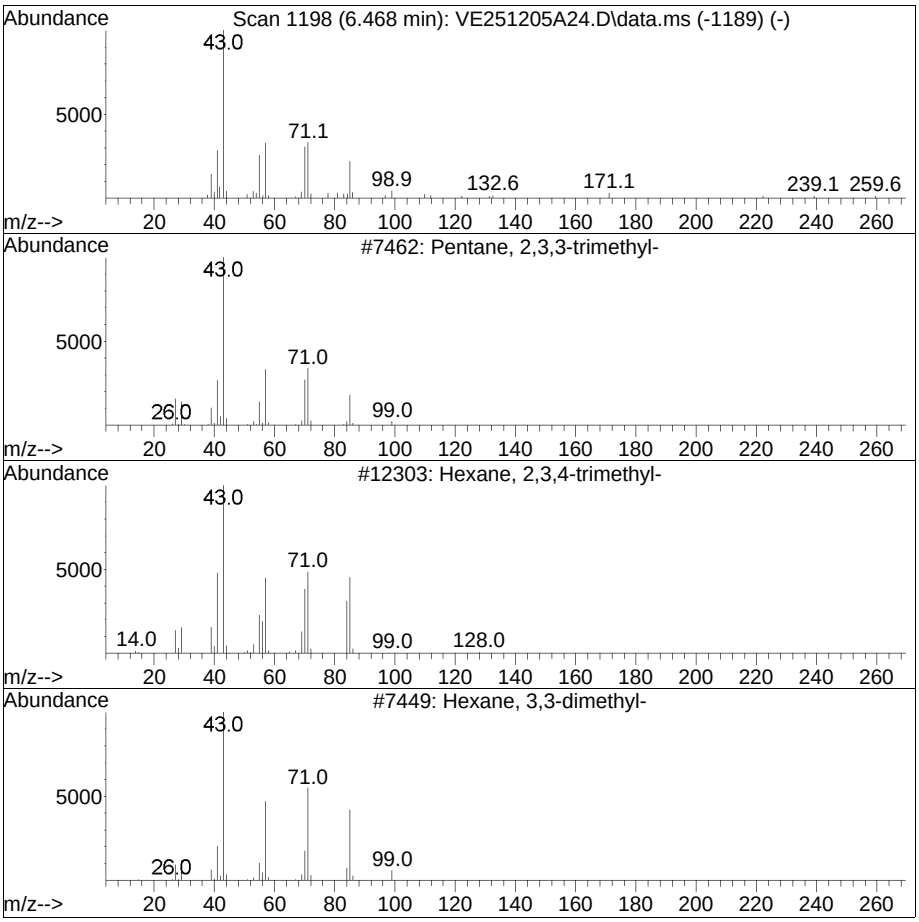
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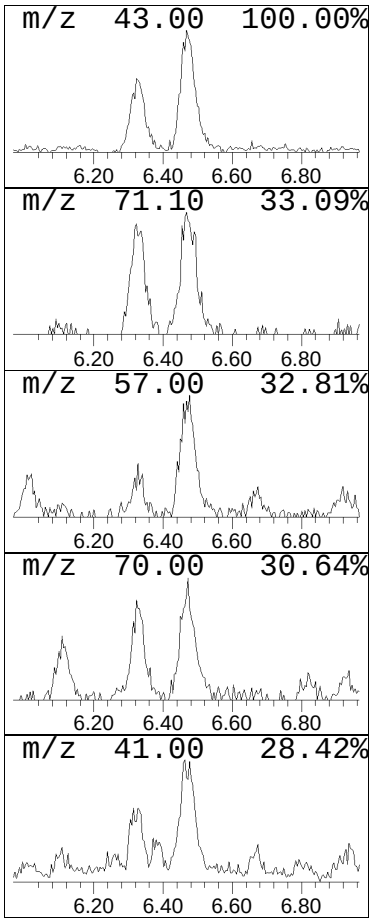
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Peak Number 8 Unknown Alkane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.468	2.67 ug/L	146629	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
4	Octane, 4-methyl-	128	C9H20	002216-34-4	50
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	50





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

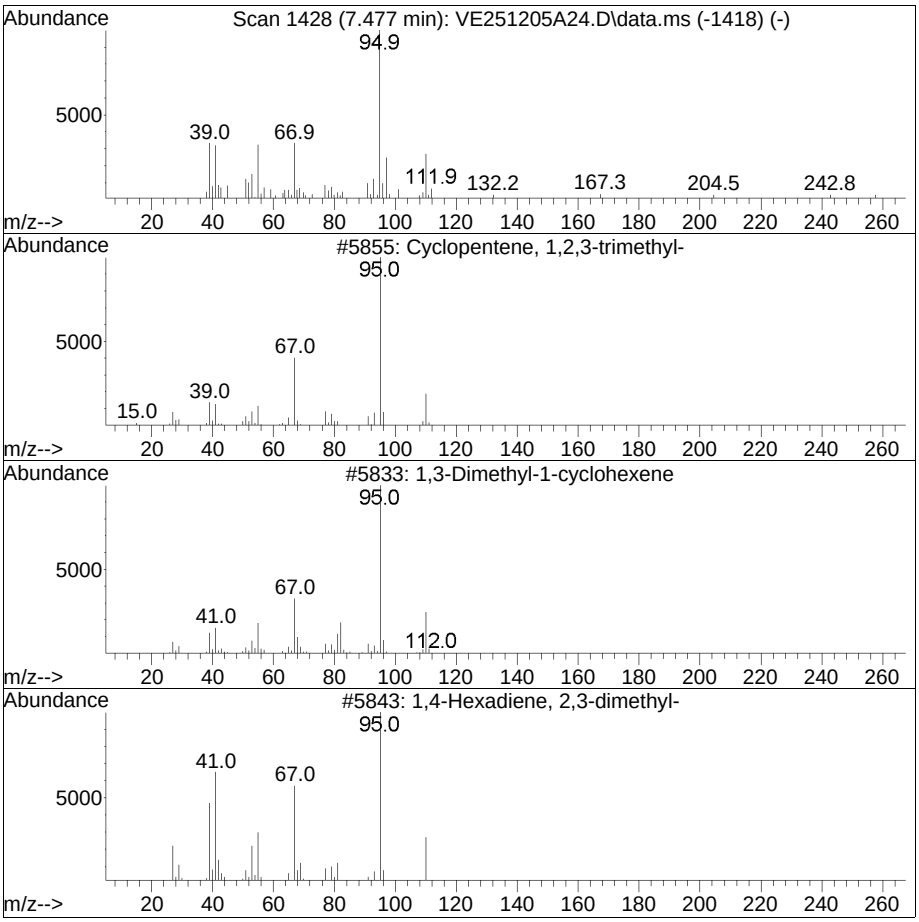
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

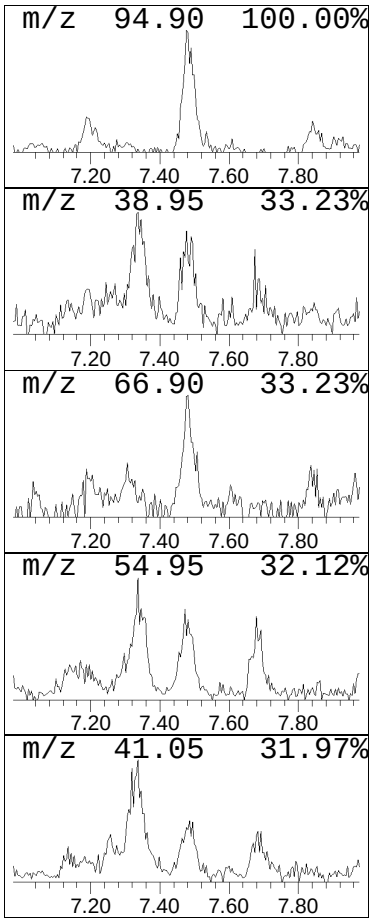
****

Peak Number 9 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.477	1.15 ug/L	78252	Chlorobenzene-d5	9.127

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	81
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	81
3	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	68
4	Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	62
5	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	59





Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

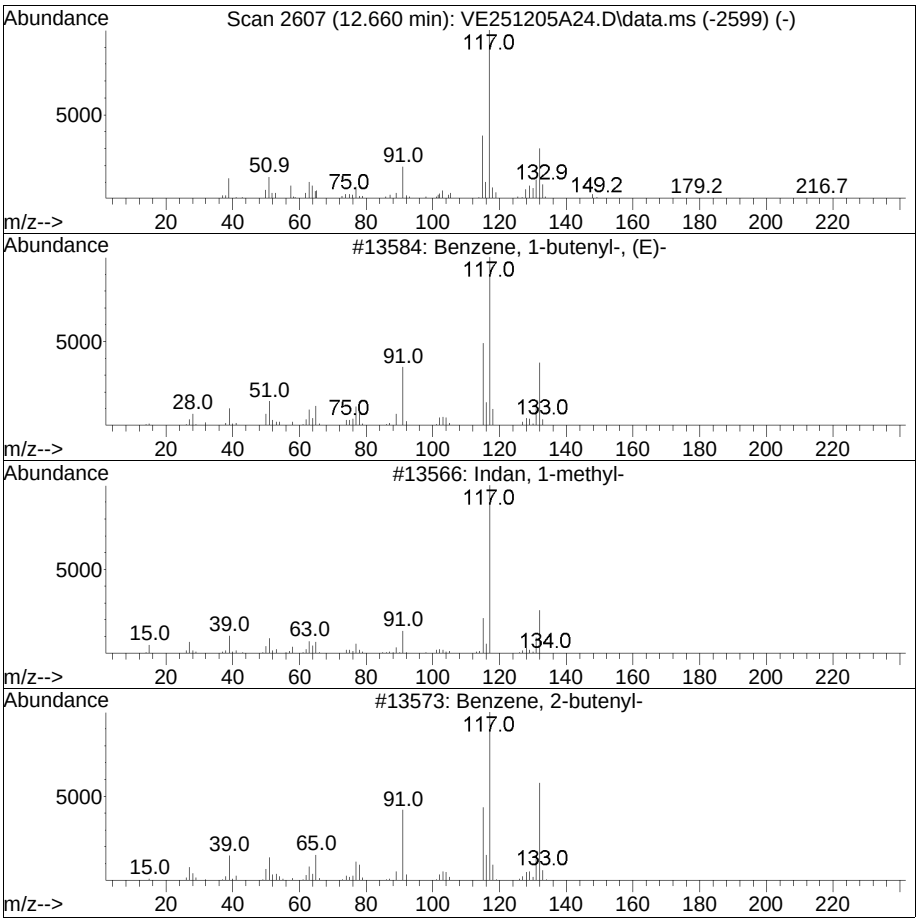
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

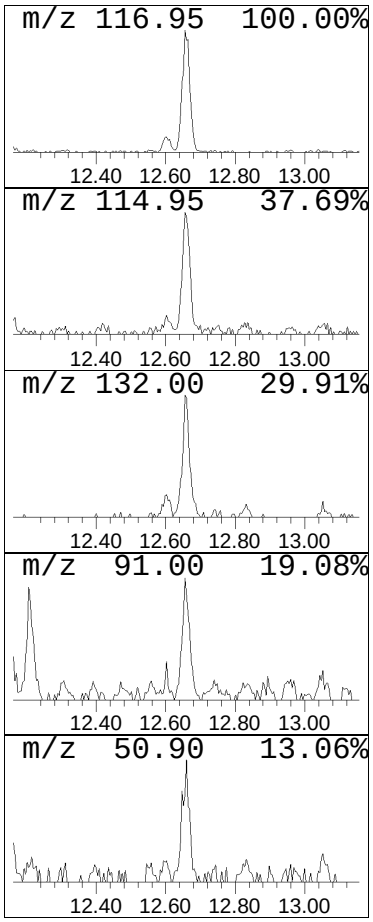
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Peak Number 10 Unknown Aromatic Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.660	1.93 ug/L	134018	1,4-Dichlorobenzene-d4	11.911

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	80





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A24.D
Acq On : 5 Dec 2025 4:47 pm
Operator : ELAINE:MJV
Sample : L2575357-04,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	2.600	2.6	ug/L	140873	1	5.629	550197	10.0
Butane, 2,3-dim...	2.963	8.4	ug/L	459865	1	5.629	550197	10.0
Unknown	3.932	2.2	ug/L	122774	1	5.629	550197	10.0
Pentane, 2,3-di...	4.684	4.3	ug/L	234354	1	5.629	550197	10.0
Unknown Alkane	5.083	3.6	ug/L	200761	1	5.629	550197	10.0
Unknown	5.537	1.3	ug/L	71100	1	5.629	550197	10.0
Unknown	6.327	1.1	ug/L	60399	1	5.629	550197	10.0
Unknown Alkane	6.468	2.7	ug/L	146629	1	5.629	550197	10.0
Unknown	7.477	1.1	ug/L	78252	2	9.127	682515	10.0
Unknown Aromatic	12.660	1.9	ug/L	134018	3	11.911	695733	10.0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A25.D
Acq On : 5 Dec 2025 5:11 pm
Operator : ELAINE:MJV
Sample : L2575357-05,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 08 12:54:54 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.629	96	178453	10.000 ug/L	0.00
Standard Area 1 = 195864			Recovery = 91.11%		
63) Chlorobenzene-d5	9.127	117	158072	10.000 ug/L	0.00
Standard Area 1 = 171189			Recovery = 92.34%		
84) 1,4-Dichlorobenzene-d4	11.911	152	83154	10.000 ug/L	0.00
Standard Area 1 = 98243			Recovery = 84.64%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.838	113	56382	11.463 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.63%		
47) 1,2-Dichloroethane-d4	5.353	65	66623	9.942 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.42%		
64) Toluene-d8	7.301	98	197440	9.333 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.33%		
88) 4-Bromofluorobenzene	10.664	95	81944	10.338 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.38%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.377	85	42	N.D.	
3) Chloromethane	1.631	50	58	N.D.	
4) Vinyl chloride	1.604	62	43	N.D.	
5) Bromomethane	2.052	94	63	N.D.	
6) Chloroethane	2.152	64	120	N.D.	
7) Trichlorofluoromethane	2.129	101	48	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.723	96	96	N.D.	
11) Carbon disulfide	2.705	76	251	N.D.	
15) Methylene chloride	3.217	84	101	N.D.	
17) Acetone	3.235	43	1836M3	1.173 ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	3.887	63	49	N.D.	
27) Acrylonitrile	3.833	53	50	N.D.	
29) Vinyl acetate	4.132	43	171	N.D.	
30) cis-1,2-Dichloroethene	4.481	96	103	N.D.	
31) 2,2-Dichloropropane	4.481	77	76	N.D.	
33) Bromochloromethane	4.630	128	45	N.D.	
35) Chloroform	4.662	83	45	Below Cal #	1

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A25.D
Acq On : 5 Dec 2025 5:11 pm
Operator : ELAINE:MJV
Sample : L2575357-05,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 08 12:54:54 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.707	117	46	N.D.		
40) 1,1,1-Trichloroethane	4.852	97	45	N.D.		
42) 2-Butanone	4.947	43	114	N.D.		
43) 1,1-Dichloropropene	5.020	75	96	N.D.		
45) Benzene	5.213	78	362	N.D.		
48) 1,2-Dichloroethane	5.432	62	48	N.D.		
52) Trichloroethene	5.805	95	155	N.D.		
54) Dibromomethane	6.143	93	69	N.D.		
55) 1,2-Dichloropropane	6.314	63	71	N.D.		
58) Bromodichloromethane	6.402	83	46	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	7.029	75	43	N.D.		
65) Toluene	7.363	92	212	N.D.		
66) 4-Methyl-2-pentanone	7.749	58	46	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	8.008	83	52	N.D.		
73) Chlorodibromomethane	8.113	129	51	N.D.		
74) 1,3-Dichloropropane	8.420	76	44	N.D.		
75) 1,2-Dibromoethane	8.547	107	46	N.D.		
77) 2-Hexanone	8.762	43	53	N.D.		
78) Chlorobenzene	8.982	112	48	N.D.		
79) Ethylbenzene	9.184	91	56	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.342	131	40	N.D.		
81) p/m Xylene	9.482	106	56	N.D.		
82) o Xylene	9.930	106	40	N.D.		
83) Styrene	9.886	104	52	N.D.		
85) Bromoform	0.000		0	N.D.	d	
87) Isopropylbenzene	10.338	105	126	N.D.		
89) Bromobenzene	10.796	156	47	N.D.		
90) n-Propylbenzene	10.831	91	243	N.D.		
92) 1,1,2,2-Tetrachloroethane	10.928	83	46	N.D.		
93) 4-Ethyltoluene	10.963	105	223	N.D.		
94) 2-Chlorotoluene	11.030	91	59	N.D.		
95) 1,3,5-Trimethylbenzene	10.963	105	223	N.D.		
96) 1,2,3-Trichloropropane	10.994	75	41	N.D.		
97) trans-1,4-Dichloro-2-b...	11.052	53	112	N.D.		
98) 4-Chlorotoluene	11.201	91	47	N.D.		
99) tert-Butylbenzene	11.369	119	118	N.D.		

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A25.D
Acq On : 5 Dec 2025 5:11 pm
Operator : ELAINE:MJV
Sample : L2575357-05,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 08 12:54:54 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.492	105	122	N.D.		
103) sec-Butylbenzene	11.704	105	43	N.D.		
104) p-Isopropyltoluene	11.748	119	51	N.D.		
105) 1,3-Dichlorobenzene	11.836	146	79	N.D.		
106) 1,4-Dichlorobenzene	11.928	146	68	N.D.		
107) p-Diethylbenzene	12.162	119	54	N.D.		
108) n-Butylbenzene	12.223	91	86	N.D.		
109) 1,2-Dichlorobenzene	12.281	146	47	N.D.		
110) 1,2,4,5-Tetramethylben...	12.950	119	82	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113) Hexachlorobutadiene	0.000		0	N.D.	d	
114) 1,2,4-Trichlorobenzene	13.726	180	46	N.D.		
115) Naphthalene	14.069	128	478	N.D.		
116) 1,2,3-Trichlorobenzene	14.254	180	41	N.D.		

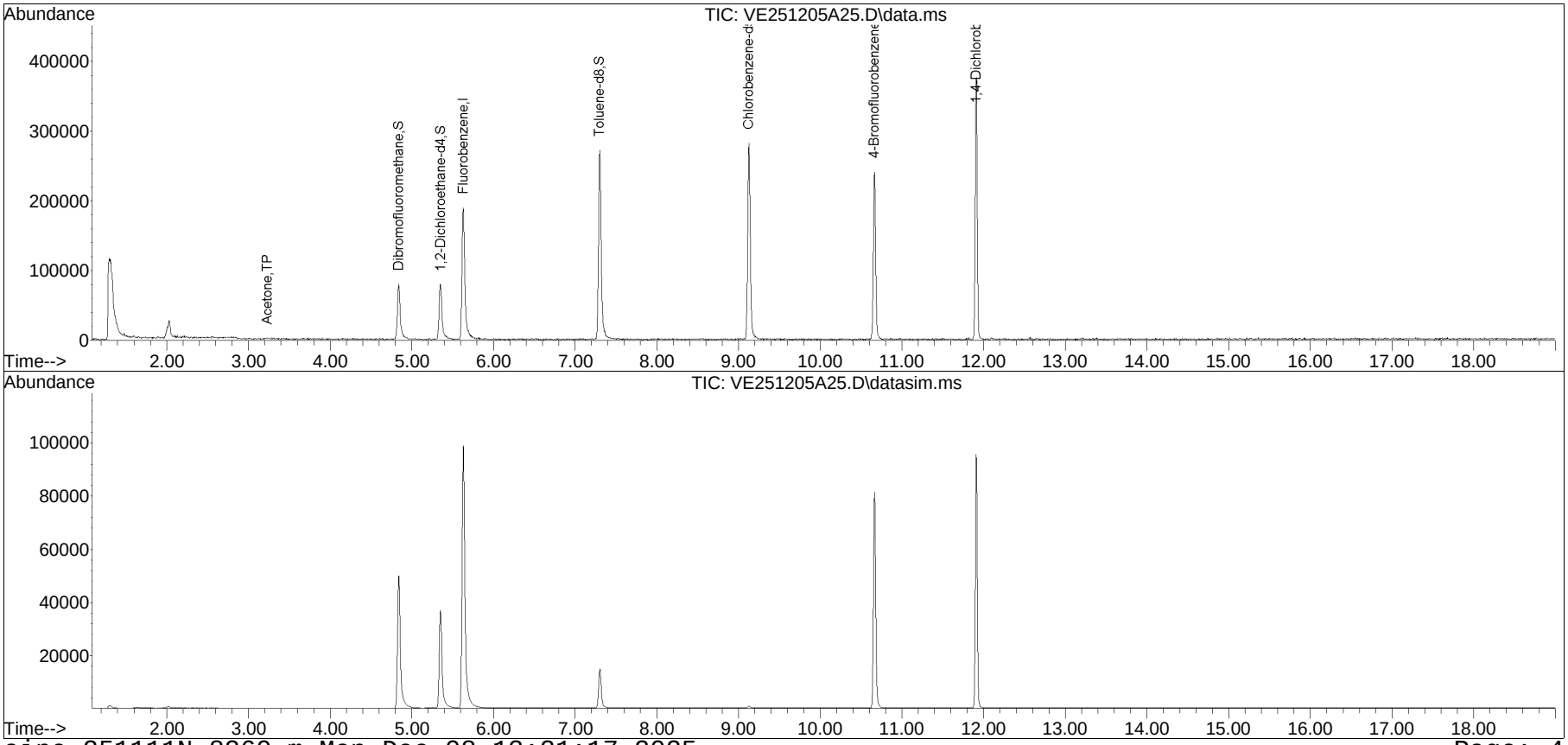
(#) = qualifier out of range (m) = manual integration (+) = signals summed

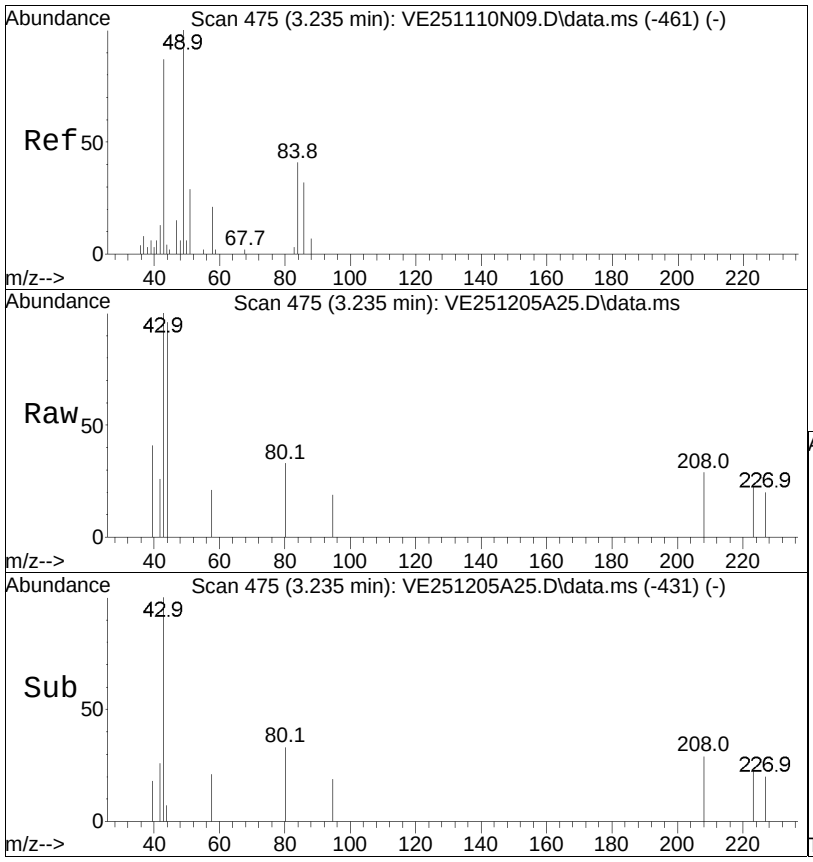
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A25.D
Acq On : 5 Dec 2025 5:11 pm
Operator : ELAINE:MJV
Sample : L2575357-05,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 08 12:54:54 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51205A01.D•

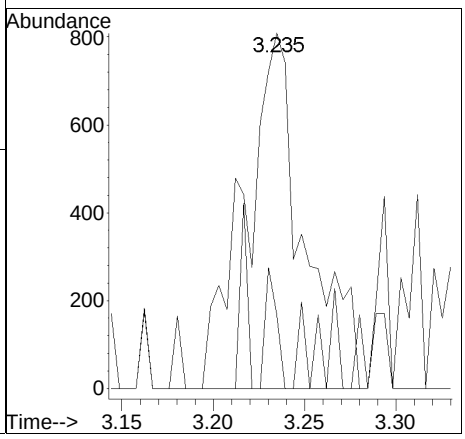




#17
Acetone
Concen: 1.17 ug/L M3
RT: 3.235 min Scan# 475
Delta R.T. -0.000 min
Lab File: VE251205A25.D
Acq: 5 Dec 2025 5:11 pm

Tgt Ion: 43 Resp: 1836

Ion	Ratio	Lower	Upper
43	100		
58	2.7	16.2	24.4#

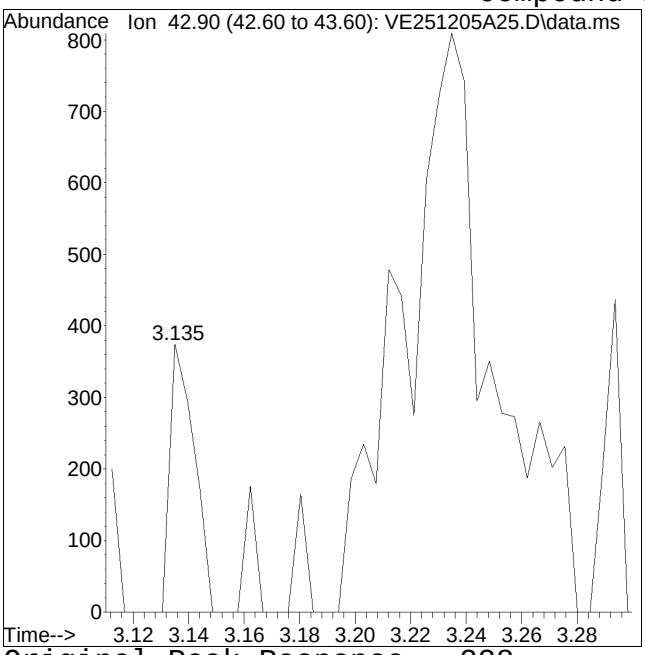


Manual Integration Report

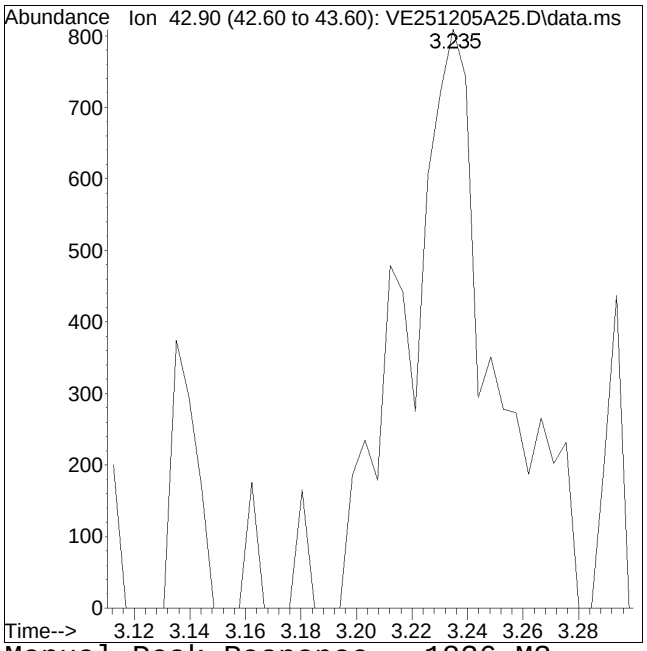
Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A25.D
Date Inj'd : 12/5/2025 5:11 pm
Sample : L2575357-05,31,10,10,,A

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:MJV
Instrument : Elaine
Quant Date : 12/5/2025 7:59 pm

Compound #17: Acetone



Original Peak Response = 228



Manual Peak Response = 1836 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

LSC Area Percent Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A25.D
Acq On : 5 Dec 2025 5:11 pm
Operator : ELAINE:MJV
Sample : L2575357-05,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251205A25.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.030	195	209	219	rBV	26278	70919	11.08%	2.141%
2	4.838	814	829	848	rBV3	79741	198038	30.95%	5.978%
3	5.349	932	943	966	rBV2	79240	201957	31.57%	6.096%
4	5.629	996	1007	1039	rBV	189310	477576	74.65%	14.415%
5	7.301	1370	1388	1407	rBV2	272121	632880	98.92%	19.103%
6	9.127	1793	1804	1821	rBV3	281595	617404	96.50%	18.636%
7	10.664	2142	2154	2178	rVB2	240857	474444	74.16%	14.321%
8	11.911	2423	2437	2459	rBV2	375934	639778	100.00%	19.311%

Sum of corrected areas: 3312996

Signal : TIC: VE251205A25.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

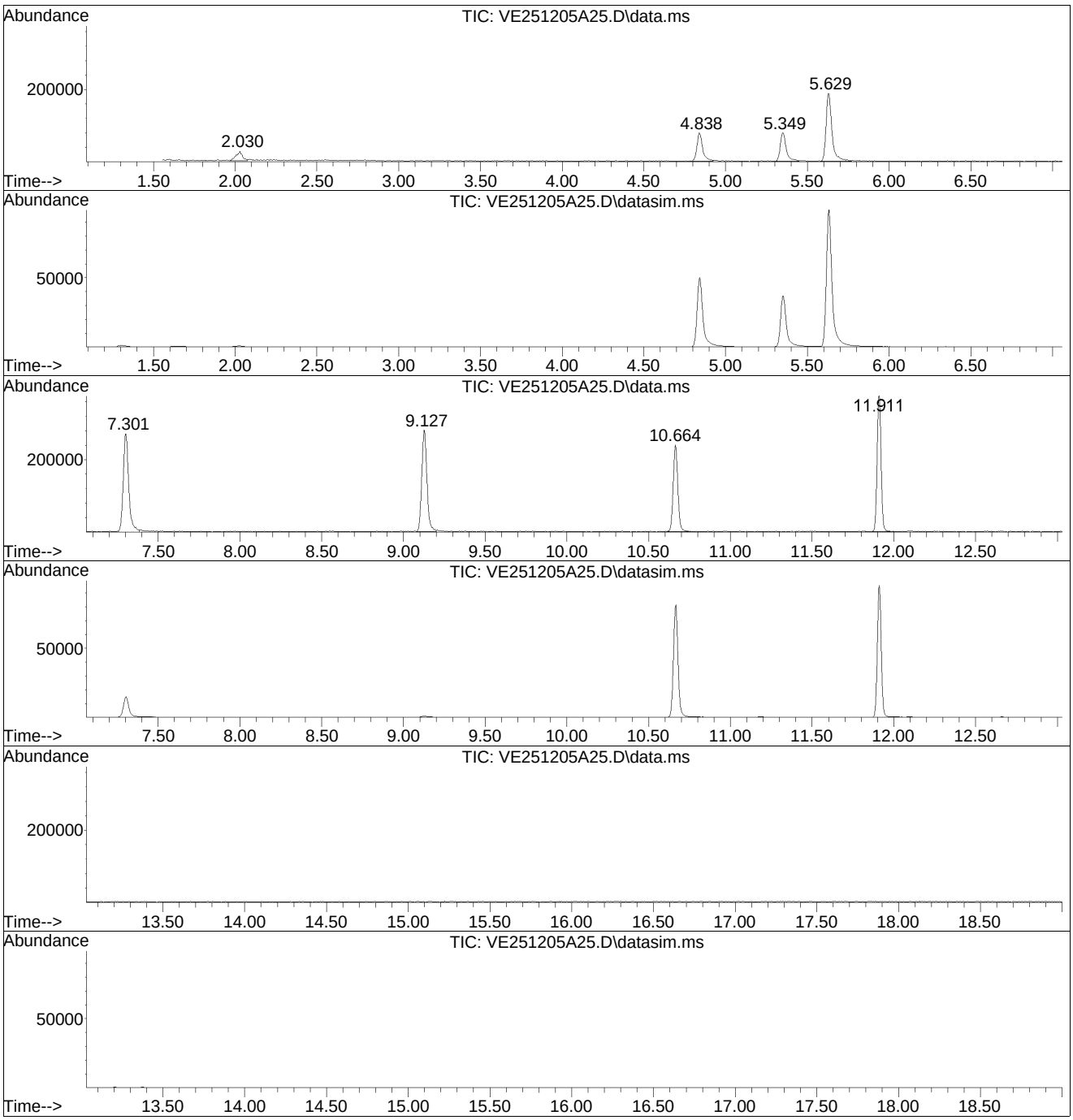
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A25.D
Acq On : 5 Dec 2025 5:11 pm
Operator : ELAINE:MJV
Sample : L2575357-05,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A25.D
Acq On : 5 Dec 2025 5:11 pm
Operator : ELAINE:MJV
Sample : L2575357-05,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

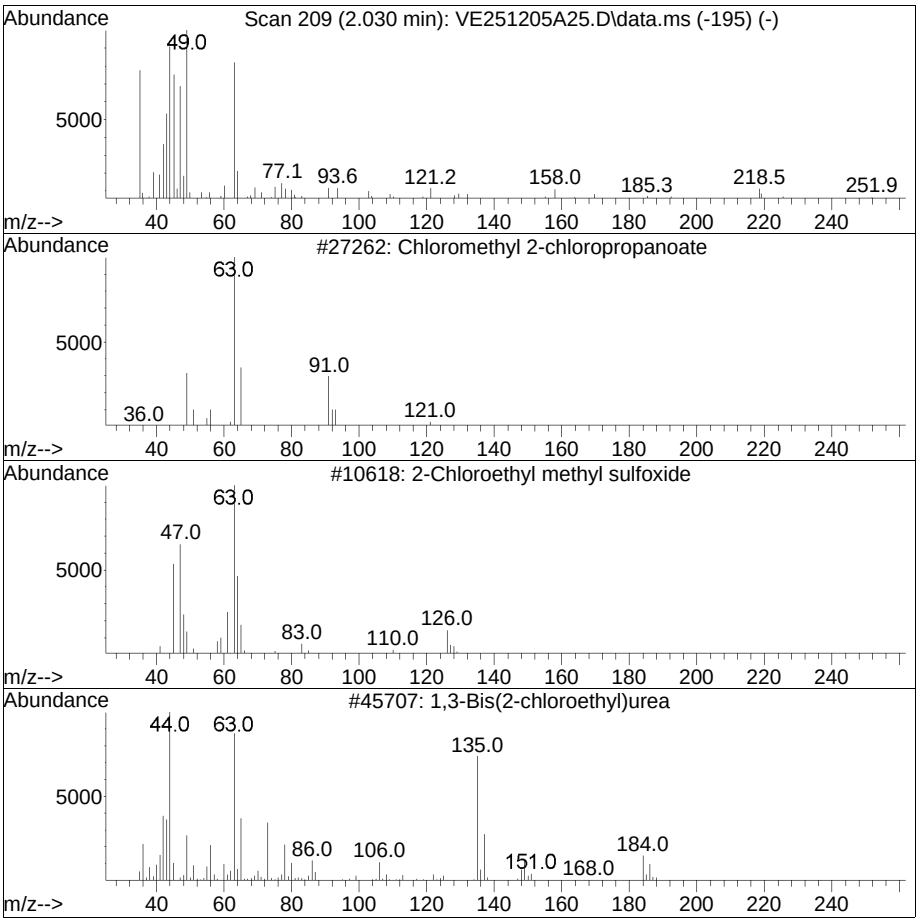
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

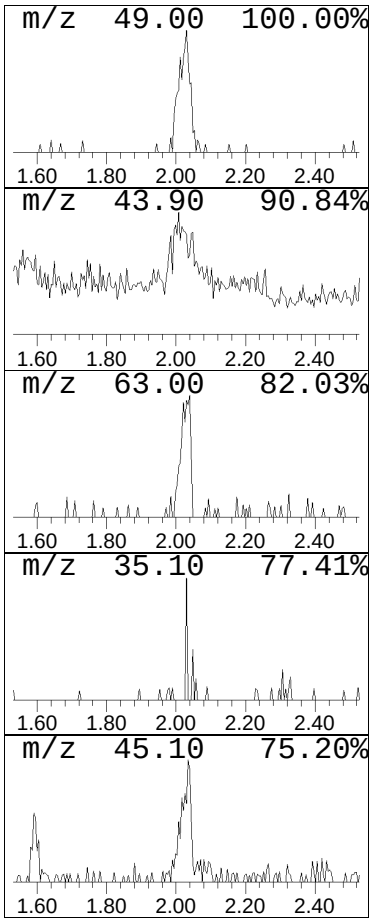
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Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.030	1.48 ug/L	70919	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chloromethyl 2-chloropropanoate	156	C4H6Cl2O2	013398-02-2	36
2	2-Chloroethyl methyl sulfoxide	126	C3H7ClOS	005331-57-7	25
3	1,3-Bis(2-chloroethyl)urea	184	C5H10Cl2N2O	002214-72-4	12
4	Bromochloroacetaldehyde	156	C2H2BrClO	098136-99-3	10
5	6-Methoxybenzofuroxan	166	C7H6N2O3	003524-06-9	10





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A25.D
Acq On : 5 Dec 2025 5:11 pm
Operator : ELAINE:MJV
Sample : L2575357-05,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	2.030	1.5	ug/L	70919	1	5.629	477576	10.0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A26.D
Acq On : 5 Dec 2025 5:35 pm
Operator : ELAINE:MJV
Sample : L2575357-06,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 08 12:55:13 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.629	96	173899	10.000 ug/L	0.00
Standard Area 1 = 195864			Recovery = 88.79%		
63) Chlorobenzene-d5	9.127	117	151174	10.000 ug/L	0.00
Standard Area 1 = 171189			Recovery = 88.31%		
84) 1,4-Dichlorobenzene-d4	11.911	152	80056	10.000 ug/L	0.00
Standard Area 1 = 98243			Recovery = 81.49%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.843	113	53654	11.194 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.94%		
47) 1,2-Dichloroethane-d4	5.353	65	66738	10.220 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.20%		
64) Toluene-d8	7.301	98	188956	9.340 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.40%		
88) 4-Bromofluorobenzene	10.664	95	78375	10.270 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.70%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.495	85	58	N.D.	
3) Chloromethane	1.690	50	195	N.D.	
4) Vinyl chloride	1.636	62	42	N.D.	
5) Bromomethane	1.966	94	55	N.D.	
6) Chloroethane	2.061	64	138	N.D.	
7) Trichlorofluoromethane	2.048	101	46	N.D.	
8) Ethyl ether	2.415	74	95	N.D.	
10) 1,1-Dichloroethene	2.664	96	54	N.D.	
11) Carbon disulfide	2.700	76	390	N.D.	
15) Methylene chloride	3.217	84	42	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.407	96	46	N.D.	
21) Methyl tert-butyl ether	3.457	73	48	N.D.	
25) 1,1-Dichloroethane	3.923	63	64	N.D.	
27) Acrylonitrile	3.937	53	46	N.D.	
29) Vinyl acetate	4.104	43	93	N.D.	
30) cis-1,2-Dichloroethene	4.277	96	69	N.D.	
31) 2,2-Dichloropropane	4.485	77	94	N.D.	
33) Bromochloromethane	4.657	128	41	N.D.	
35) Chloroform	4.576	83	53	Below Cal #	62

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A26.D
Acq On : 5 Dec 2025 5:35 pm
Operator : ELAINE:MJV
Sample : L2575357-06,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 08 12:55:13 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.789	117	62	N.D.		
40) 1,1,1-Trichloroethane	4.906	97	64	N.D.		
42) 2-Butanone	4.943	43	52	N.D.		
43) 1,1-Dichloropropene	0.000		0	N.D.		
45) Benzene	5.226	78	44	N.D.		
48) 1,2-Dichloroethane	5.432	62	57	N.D.		
52) Trichloroethene	0.000		0	N.D.	d	
54) Dibromomethane	6.200	93	95	N.D.		
55) 1,2-Dichloropropane	6.296	63	46	N.D.		
58) Bromodichloromethane	6.380	83	91	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	7.104	75	51	N.D.		
65) Toluene	7.363	92	79	N.D.		
66) 4-Methyl-2-pentanone	7.753	58	72	N.D.		
67) Tetrachloroethene	0.000		0	N.D.	d	
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	7.981	83	49	N.D.		
73) Chlorodibromomethane	8.078	129	55	N.D.		
74) 1,3-Dichloropropane	8.490	76	171	N.D.		
75) 1,2-Dibromoethane	8.468	107	80	N.D.		
77) 2-Hexanone	8.806	43	45	N.D.		
78) Chlorobenzene	9.162	112	91	N.D.		
79) Ethylbenzene	9.210	91	45	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.197	131	40	N.D.		
81) p/m Xylene	9.197	106	72	N.D.		
82) o Xylene	9.886	106	53	N.D.		
83) Styrene	10.000	104	54	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	10.333	105	40	N.D.		
89) Bromobenzene	0.000		0	N.D.		
90) n-Propylbenzene	10.814	91	162	N.D.		
92) 1,1,2,2-Tetrachloroethane	11.047	83	46	N.D.		
93) 4-Ethyltoluene	10.968	105	261	N.D.		
94) 2-Chlorotoluene	11.043	91	42	N.D.		
95) 1,3,5-Trimethylbenzene	11.065	105	89	N.D.		
96) 1,2,3-Trichloropropane	11.082	75	51	N.D.		
97) trans-1,4-Dichloro-2-b...	11.078	53	82	N.D.		
98) 4-Chlorotoluene	11.206	91	40	N.D.		
99) tert-Butylbenzene	11.593	119	51	N.D.		

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A26.D
Acq On : 5 Dec 2025 5:35 pm
Operator : ELAINE:MJV
Sample : L2575357-06,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 08 12:55:13 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102)	1,2,4-Trimethylbenzene	11.492	105	47	N.D.		
103)	sec-Butylbenzene	11.607	105	137	N.D.		
104)	p-Isopropyltoluene	11.765	119	50	N.D.		
105)	1,3-Dichlorobenzene	11.836	146	57	N.D.		
106)	1,4-Dichlorobenzene	11.915	146	180	N.D.		
107)	p-Diethylbenzene	12.131	119	92	N.D.		
108)	n-Butylbenzene	12.122	91	46	N.D.		
109)	1,2-Dichlorobenzene	12.386	146	52	N.D.		
110)	1,2,4,5-Tetramethylben...	12.950	119	192	N.D.		
111)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113)	Hexachlorobutadiene	0.000		0	N.D.	d	
114)	1,2,4-Trichlorobenzene	13.779	180	96	N.D.		
115)	Naphthalene	14.069	128	93	N.D.		
116)	1,2,3-Trichlorobenzene	14.263	180	47	N.D.		

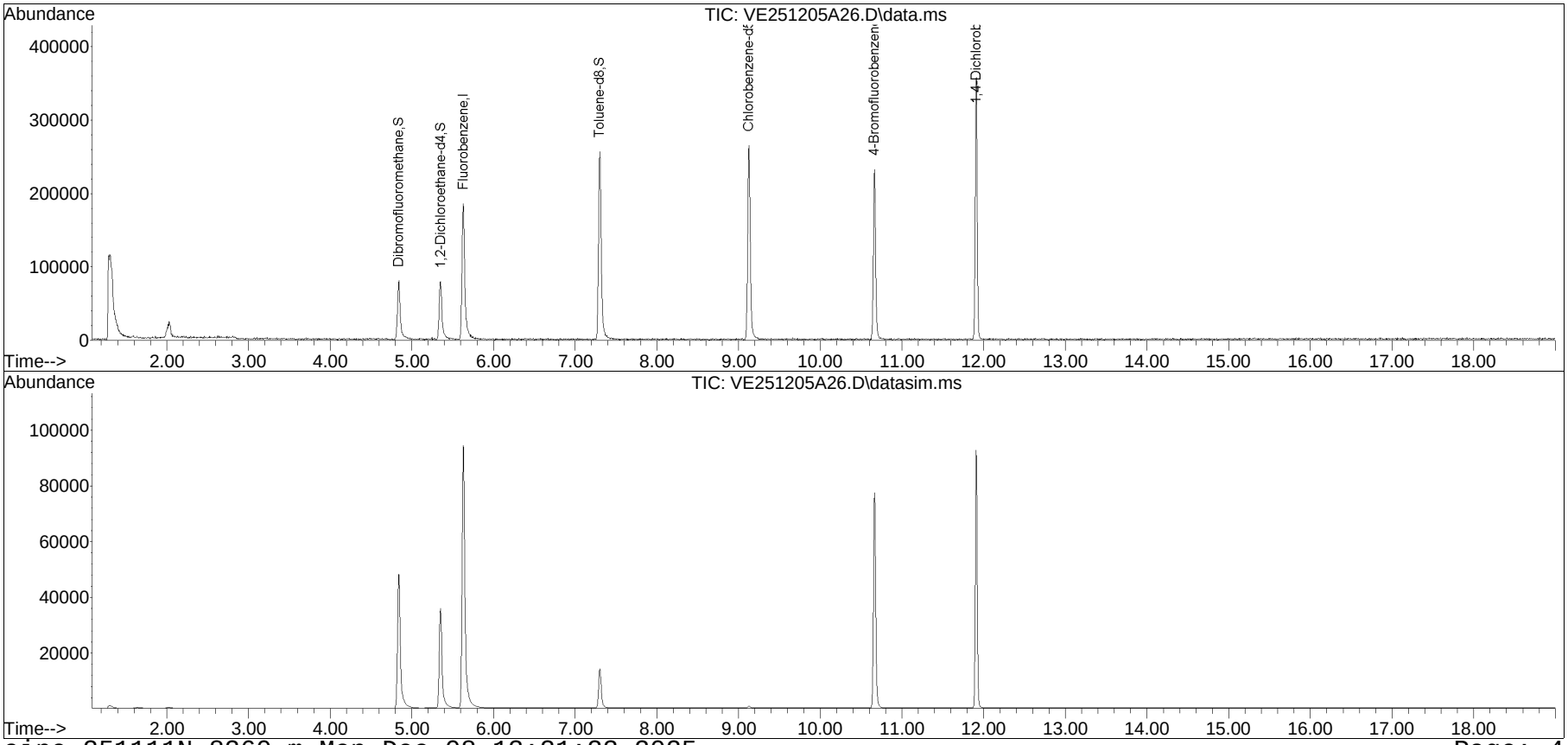
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A26.D
Acq On : 5 Dec 2025 5:35 pm
Operator : ELAINE:MJV
Sample : L2575357-06,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 08 12:55:13 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51205A01.D•



Manual Integration Report

Data Path	: K:\Elaine\2025\251205A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251205A26.D	Operator	: ELAINE:MJV
Date Inj'd	: 12/5/2025 5:35 pm	Instrument	: Elaine
Sample	: L2575357-06,31,10,10,,A	Quant Date	: 12/5/2025 7:59 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A26.D
Acq On : 5 Dec 2025 5:35 pm
Operator : ELAINE:MJV
Sample : L2575357-06,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251205A26.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.030	195	209	218	rBV9	22118	61396	10.24%	1.950%
2	4.843	817	830	853	rBV	80630	195594	32.63%	6.213%
3	5.353	932	944	969	rBV2	79660	204047	34.04%	6.481%
4	5.629	995	1007	1027	rBV	185242	447941	74.72%	14.228%
5	7.301	1376	1388	1406	rBV3	256356	597668	99.70%	18.984%
6	9.127	1790	1804	1832	rBV2	264855	594530	99.17%	18.884%
7	10.664	2142	2154	2170	rBV3	232463	447652	74.67%	14.219%
8	11.911	2424	2437	2450	rBV	356781	599482	100.00%	19.041%

Sum of corrected areas: 3148310

Signal : TIC: VE251205A26.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

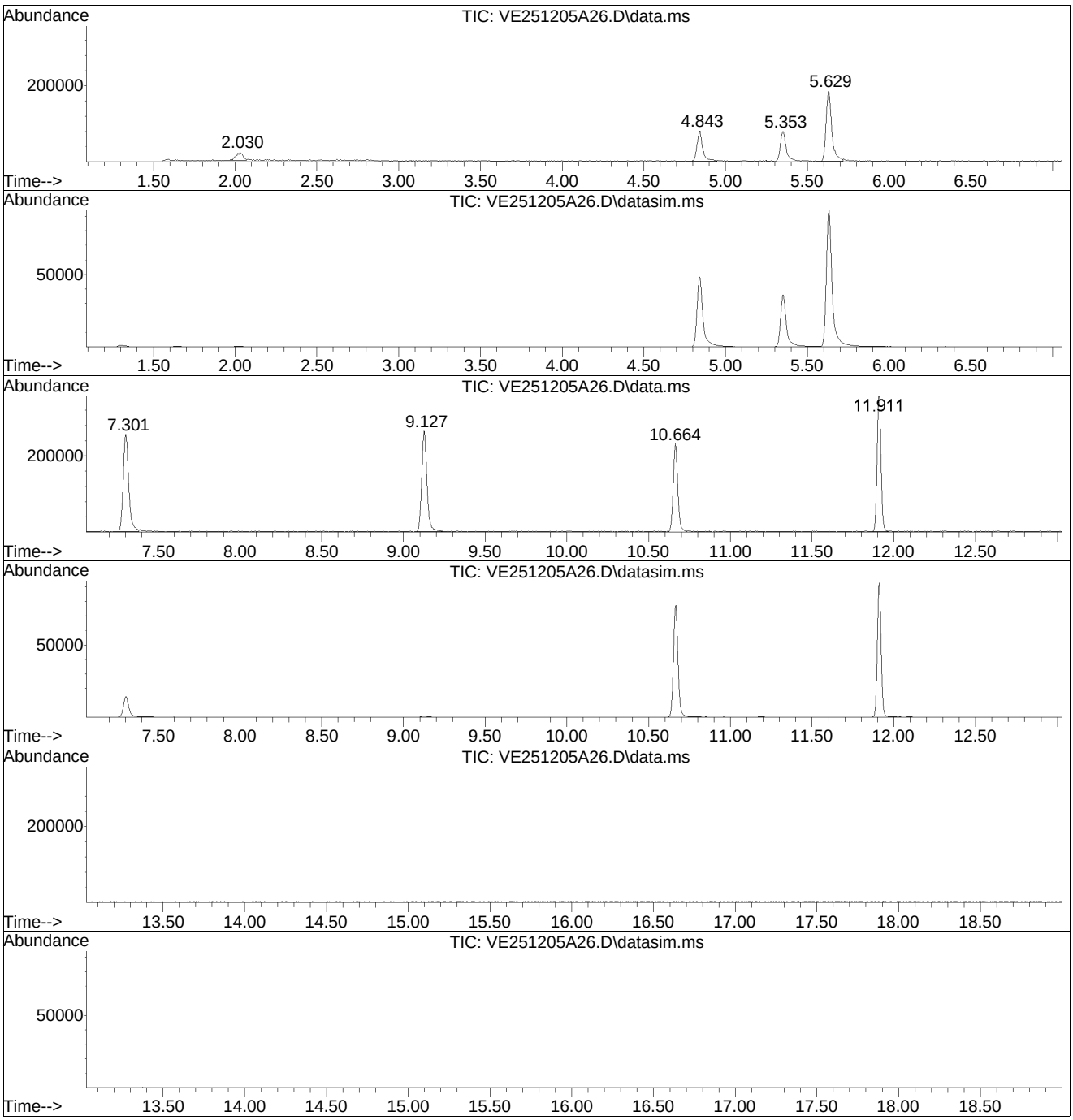
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A26.D
Acq On : 5 Dec 2025 5:35 pm
Operator : ELAINE:MJV
Sample : L2575357-06,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A26.D
Acq On : 5 Dec 2025 5:35 pm
Operator : ELAINE:MJV
Sample : L2575357-06,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A26.D
Acq On : 5 Dec 2025 5:35 pm
Operator : ELAINE:MJV
Sample : L2575357-06,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A27.D
Acq On : 5 Dec 2025 5:59 pm
Operator : ELAINE:MJV
Sample : L2575357-07,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 08 12:55:38 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.629	96	171275	10.000 ug/L	0.00
Standard Area 1 = 195864			Recovery = 87.45%		
63) Chlorobenzene-d5	9.127	117	149732	10.000 ug/L	0.00
Standard Area 1 = 171189			Recovery = 87.47%		
84) 1,4-Dichlorobenzene-d4	11.911	152	78224	10.000 ug/L	0.00
Standard Area 1 = 98243			Recovery = 79.62%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.838	113	52352	11.090 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.90%		
47) 1,2-Dichloroethane-d4	5.353	65	66079	10.274 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.74%		
64) Toluene-d8	7.301	98	184443	9.205 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.05%		
88) 4-Bromofluorobenzene	10.664	95	77356	10.374 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.74%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.418	85	46	N.D.	
3) Chloromethane	1.636	50	85	N.D.	
4) Vinyl chloride	1.672	62	44	N.D.	
5) Bromomethane	1.980	94	50	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	2.220	101	63	N.D.	
8) Ethyl ether	2.465	74	55	N.D.	
10) 1,1-Dichloroethene	2.732	96	53	N.D.	
11) Carbon disulfide	2.700	76	120	N.D.	
15) Methylene chloride	3.194	84	54	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.466	96	51	N.D.	
21) Methyl tert-butyl ether	3.448	73	244	N.D.	
25) 1,1-Dichloroethane	3.919	63	52	N.D.	
27) Acrylonitrile	3.928	53	66	N.D.	
29) Vinyl acetate	4.145	43	155	N.D.	
30) cis-1,2-Dichloroethene	4.426	96	113	N.D.	
31) 2,2-Dichloropropane	4.539	77	44	N.D.	
33) Bromochloromethane	4.494	128	71	N.D.	
35) Chloroform	4.680	83	46	Below Cal #	1

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A27.D
Acq On : 5 Dec 2025 5:59 pm
Operator : ELAINE:MJV
Sample : L2575357-07,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 08 12:55:38 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.743	117	63	N.D.		
40) 1,1,1-Trichloroethane	4.865	97	42	N.D.		
42) 2-Butanone	4.947	43	61	N.D.		
43) 1,1-Dichloropropene	4.979	75	42	N.D.		
45) Benzene	5.221	78	57	N.D.		
48) 1,2-Dichloroethane	5.406	62	46	N.D.		
52) Trichloroethene	5.722	95	153	N.D.		
54) Dibromomethane	0.000		0	N.D.		
55) 1,2-Dichloropropane	6.257	63	40	N.D.		
58) Bromodichloromethane	6.529	83	49	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	7.161	75	47	N.D.		
65) Toluene	7.376	92	51	N.D.		
66) 4-Methyl-2-pentanone	7.788	58	86	N.D.		
67) Tetrachloroethene	0.000		0	N.D.	d	
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	7.951	83	47	N.D.		
73) Chlorodibromomethane	8.280	129	42	N.D.		
74) 1,3-Dichloropropane	8.337	76	40	N.D.		
75) 1,2-Dibromoethane	8.490	107	48	N.D.		
77) 2-Hexanone	8.793	43	49	N.D.		
78) Chlorobenzene	9.166	112	75	N.D.		
79) Ethylbenzene	9.188	91	87	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.236	131	47	N.D.		
81) p/m Xylene	9.386	106	97	N.D.		
82) o Xylene	9.899	106	56	N.D.		
83) Styrene	10.048	104	64	N.D.		
85) Bromoform	0.000		0	N.D.	d	
87) Isopropylbenzene	10.298	105	41	N.D.		
89) Bromobenzene	10.748	156	43	N.D.		
90) n-Propylbenzene	10.840	91	61	N.D.		
92) 1,1,2,2-Tetrachloroethane	10.862	83	41	N.D.		
93) 4-Ethyltoluene	11.021	105	42	N.D.		
94) 2-Chlorotoluene	11.104	91	47	N.D.		
95) 1,3,5-Trimethylbenzene	11.021	105	42	N.D.		
96) 1,2,3-Trichloropropane	10.933	75	47	N.D.		
97) trans-1,4-Dichloro-2-b...	11.175	53	55	N.D.		
98) 4-Chlorotoluene	11.104	91	47	N.D.		
99) tert-Butylbenzene	11.413	119	49	N.D.		

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A27.D
Acq On : 5 Dec 2025 5:59 pm
Operator : ELAINE:MJV
Sample : L2575357-07,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 08 12:55:38 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102)	1,2,4-Trimethylbenzene	11.426	105	41	N.D.		
103)	sec-Butylbenzene	11.593	105	102	N.D.		
104)	p-Isopropyltoluene	11.752	119	45	N.D.		
105)	1,3-Dichlorobenzene	11.867	146	54	N.D.		
106)	1,4-Dichlorobenzene	11.919	146	40	N.D.		
107)	p-Diethylbenzene	12.135	119	42	N.D.		
108)	n-Butylbenzene	12.210	91	82	N.D.		
109)	1,2-Dichlorobenzene	12.497	146	40	N.D.		
110)	1,2,4,5-Tetramethylben...	12.946	119	57	N.D.		
111)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113)	Hexachlorobutadiene	0.000		0	N.D.	d	
114)	1,2,4-Trichlorobenzene	13.774	180	48	N.D.		
115)	Naphthalene	14.065	128	41	N.D.		
116)	1,2,3-Trichlorobenzene	14.069	180	40	N.D.		

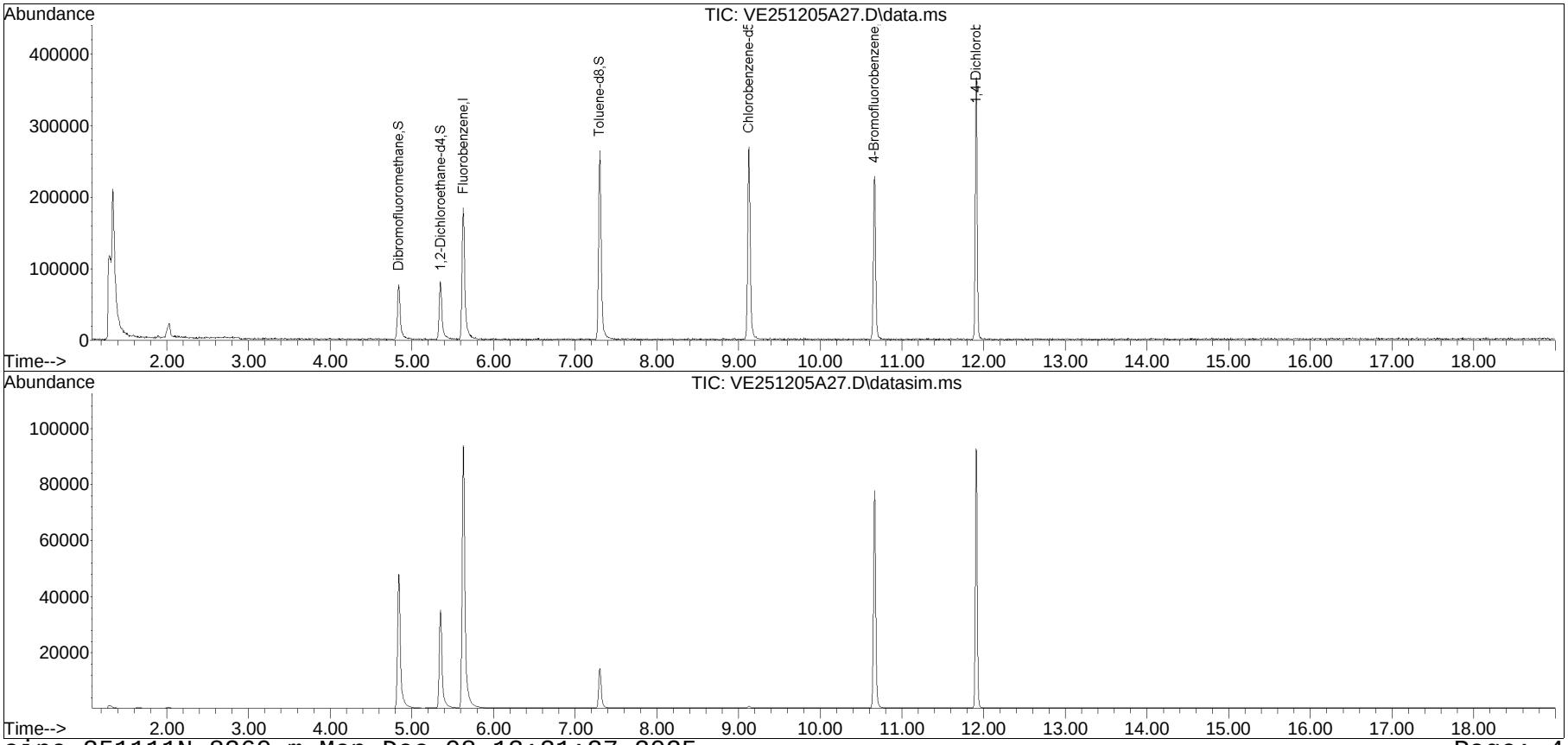
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A27.D
Acq On : 5 Dec 2025 5:59 pm
Operator : ELAINE:MJV
Sample : L2575357-07,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 08 12:55:38 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51205A01.D•



Manual Integration Report

Data Path	: K:\Elaine\2025\251205A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251205A27.D	Operator	: ELAINE:MJV
Date Inj'd	: 12/5/2025 5:59 pm	Instrument	: Elaine
Sample	: L2575357-07,31,10,10,,A	Quant Date	: 12/5/2025 7:59 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A27.D
Acq On : 5 Dec 2025 5:59 pm
Operator : ELAINE:MJV
Sample : L2575357-07,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251205A27.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.030	198	209	220	rBV7	19460	52047	8.53%	1.657%
2	4.838	816	829	854	rBV3	76994	194071	31.80%	6.179%
3	5.349	932	943	961	rBV	81579	195563	32.05%	6.226%
4	5.629	996	1007	1033	rBV	184502	456312	74.78%	14.528%
5	7.301	1376	1388	1419	rBV2	264563	610197	100.00%	19.427%
6	9.127	1789	1804	1822	rBV	269484	583312	95.59%	18.571%
7	10.664	2141	2154	2171	rBV2	228109	440313	72.16%	14.018%
8	11.911	2426	2437	2454	rBV	366684	609204	99.84%	19.395%

Sum of corrected areas: 3141019

Signal : TIC: VE251205A27.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

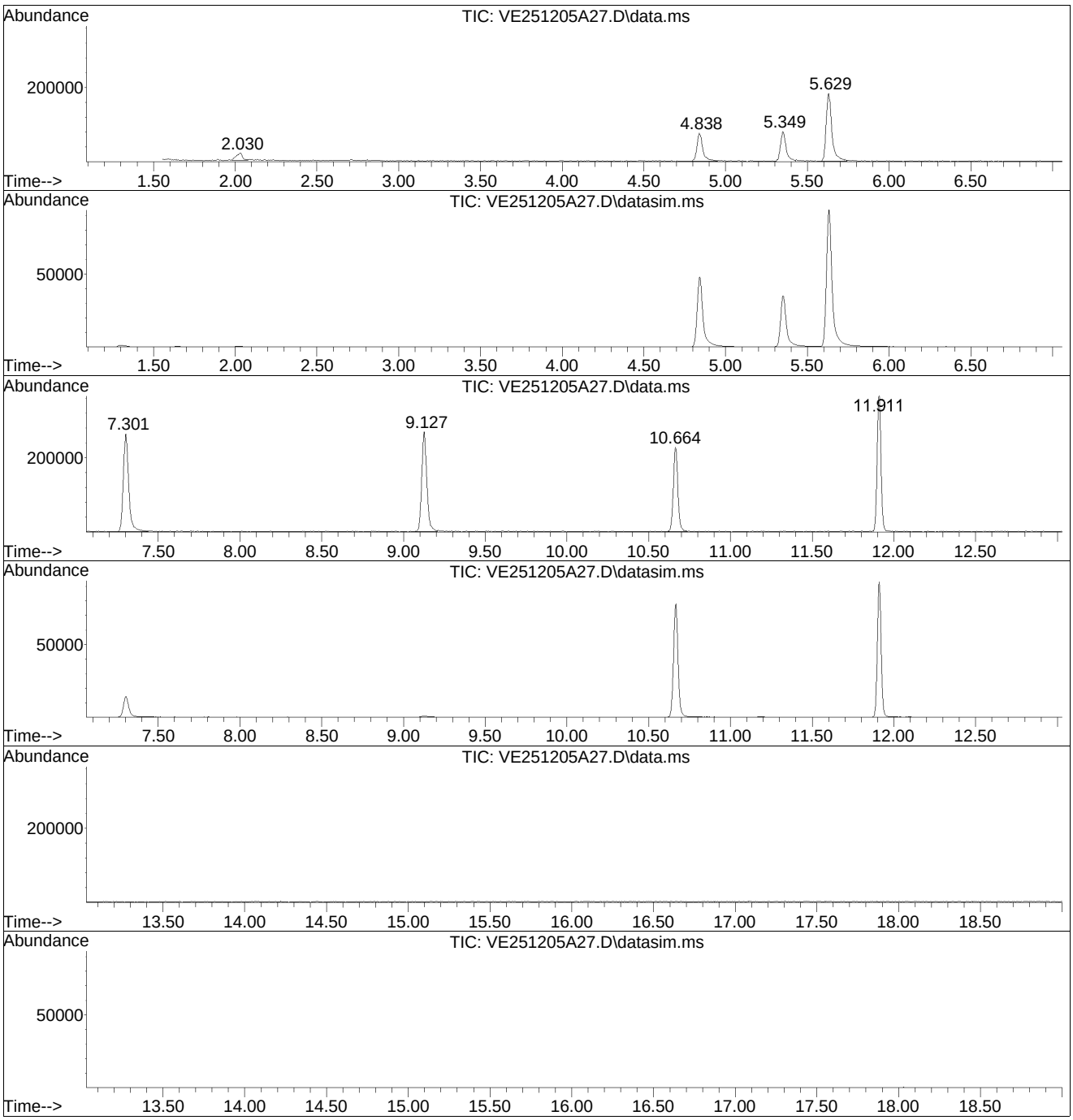
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A27.D
Acq On : 5 Dec 2025 5:59 pm
Operator : ELAINE:MJV
Sample : L2575357-07,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A27.D
Acq On : 5 Dec 2025 5:59 pm
Operator : ELAINE:MJV
Sample : L2575357-07,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

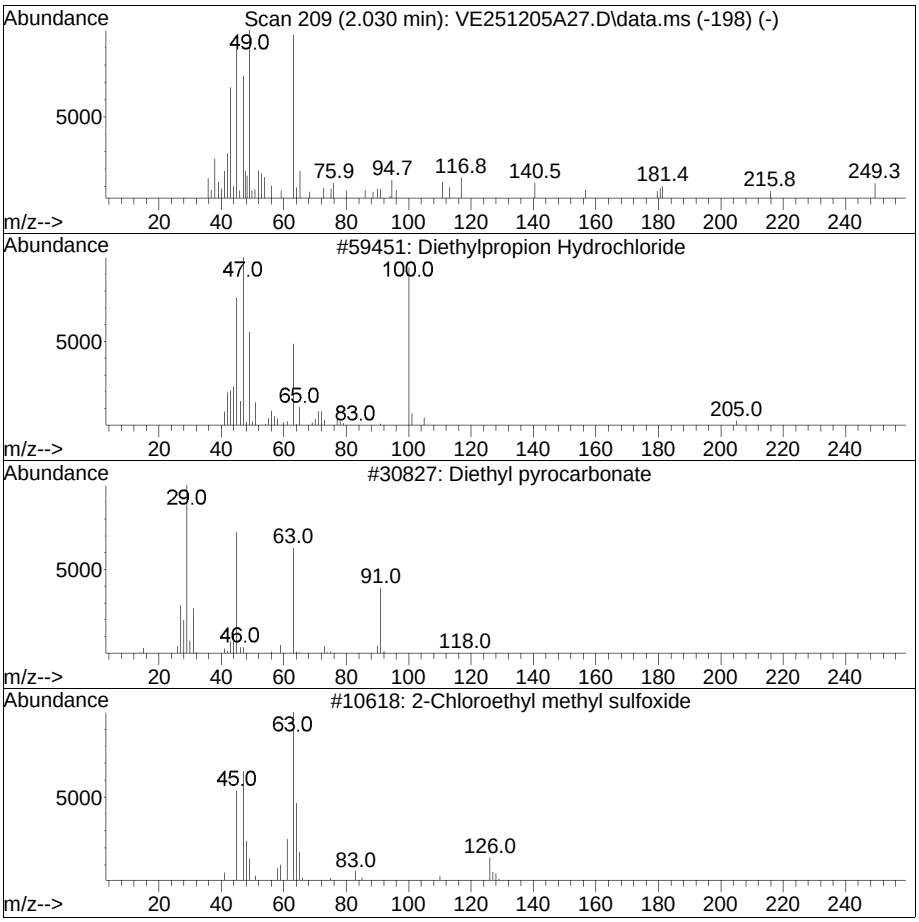
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

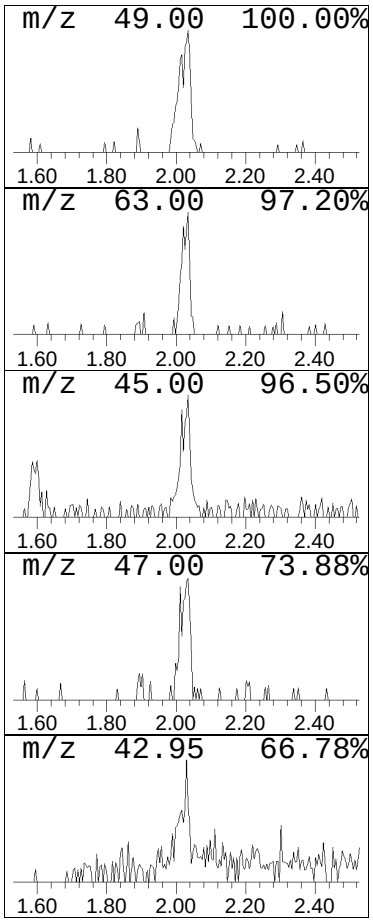
****

Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.030	1.14 ug/L	52047	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethylpropion Hydrochloride	205	C13H19NO	000134-80-5	36
2	Diethyl pyrocarbonate	162	C6H10O5	001609-47-8	27
3	2-Chloroethyl methyl sulfoxide	126	C3H7ClOS	005331-57-7	23
4	2-Anilino-4-(methylamino)-6-(pip...	363	C18H17N7O2	1000225-97-3	22
5	Ethene, (methylsulfonyl)-	106	C3H6O2S	003680-02-2	10





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A27.D
Acq On : 5 Dec 2025 5:59 pm
Operator : ELAINE:MJV
Sample : L2575357-07,31,10,10,,A
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	2.030	1.1	ug/L	52047	1	5.629	456312	10.0

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Impact Environmental**	**Lab Number**	**: L2575357**
Project Name	**: 5801 AMBOY RD STATEN ISLAND**	**Project Number**	**: 17518**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL22806**
Calibration dates	**: 11/10/25 21:41 11/11/25 01:18**		

Calibration Files

L11 =VE251110N04.D L1 =VE251110N05.D L2 =VE251110N07.D L3 =VE251110N09.D L4 =VE251110N10.D

L6 =VE251110N11.D L8 =VE251110N12.D L10 =VE251110N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.267	0.373	0.410	0.351	0.328	0.310	0.256	0.328	16.89
3)	TP	Chloromethane		0.437	0.499	0.506	0.453	0.403	0.392	0.377	0.438	11.60
4)	TP	Vinyl chloride	0.370	0.255	0.402	0.431	0.369	0.322	0.306	0.274	0.341	18.14
5)	TP	Bromomethane		0.146	0.139	0.148	0.151	0.162	0.168	0.180	0.156	9.29
6)	TP	Chloroethane		0.174	0.247	0.267	0.247	0.221	0.224	0.176	0.222	16.06
7)	TP	Trichlorofluor		0.279	0.471	0.515	0.429	0.395	0.391	0.346	0.404	19.37
8)	TP	Ethyl ether		0.119	0.117	0.130	0.131	0.137	0.144	0.146	0.132	8.71
10)	TP	1,1-Dichloroet		0.180	0.229	0.262	0.243	0.222	0.218	0.207	0.223	11.64
11)	TP	Carbon disulfide		0.616	0.844	0.883	0.777	0.729	0.727	0.707	0.755	11.83
12)	TP	Freon-113		0.157	0.205	0.256	0.232	0.222	0.219	0.192	0.212	14.90
13)	TP	Iodomethane			0.098	0.120	0.155	0.186	0.192	0.189	*Q	0.9976
14)	TP	Acrolein			0.045	0.031	0.041	0.038	0.040	0.037	0.039	12.33
15)	TP	Methylene chlo		0.319	0.312	0.294	0.265	0.240	0.240	0.230	0.271	13.62
17)	TP	Acetone			0.114	0.095	0.085	0.078	0.078	0.077	0.088	16.48
18)	TP	trans-1,2-Dich		0.151	0.216	0.240	0.235	0.221	0.221	0.207	0.213	13.89
19)	TP	Methyl acetate			0.173	0.155	0.156	0.150	0.157	0.155	0.158	4.98
21)	TP	Methyl tert butyl ether		0.359	0.406	0.454	0.508	0.552	0.590	0.595	0.495	18.54
22)	TP	tert-Butyl alc			0.016	0.016	0.016	0.015	0.017	0.016	0.016	2.88
24)	TP	Diisopropyl ether		0.783	0.897	1.029	1.120	1.159	1.205	1.192	1.055	15.27
25)	TP	1,1-Dichloroet		0.504	0.623	0.649	0.607	0.561	0.548	0.521	0.573	9.42
26)	TP	Halothane			0.131	0.157	0.160	0.157	0.158	0.150	0.152	7.24
27)	TP	Acrylonitrile		0.115	0.101	0.090	0.095	0.089	0.092	0.083	0.095	10.62
28)	TP	Ethyl tert-but		0.478	0.595	0.676	0.755	0.813	0.865	0.875	*Q	0.9993
29)	TP	Vinyl acetate		0.534	0.542	0.546	0.695	0.710	0.771	0.777	0.654	16.81
30)	TP	cis-1,2-Dichlo		0.229	0.249	0.279	0.274	0.258	0.254	0.244	0.256	6.70
31)	TP	2,2-Dichloropr		0.232	0.343	0.395	0.408	0.391	0.394	0.365	0.361	16.90
33)	TP	Bromochloromet		0.101	0.137	0.125	0.115	0.107	0.102	0.097	0.112	13.14
34)	TP	Cyclohexane		0.370	0.498	0.623	0.613	0.617	0.610	0.519	0.550	17.17
35)	TP	Chloroform		0.861	0.591	0.514	0.466	0.442	0.439	0.419	*L	0.9987
36)	TP	Ethyl acetate		0.218	0.192	0.216	0.234	0.241	0.255	0.247	0.229	9.47
37)	TP	Carbon tetrachloride	0.229	0.184	0.255	0.312	0.307	0.303	0.316	0.279	0.273	17.34
38)	TP	Tetrahydrofuran			0.082	0.084	0.086	0.079	0.080	0.082	0.082	3.14
39)	S	Dibromofluoromethane	0.304	0.305	0.296	0.290	0.268	0.250	0.246	0.246	0.276	9.45
40)	TP	1,1,1-Trichlor		0.233	0.322	0.386	0.388	0.371	0.373	0.345	0.345	15.88
42)	TP	2-Butanone			0.111	0.109	0.112	0.108	0.110	0.109	0.110	1.38

Initial Calibration Summary
Form 6
Volatiles

Client	**: Impact Environmental**	**Lab Number**	**: L2575357**
Project Name	**: 5801 AMBOY RD STATEN ISLAND**	**Project Number**	**: 17518**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL22806**
Calibration dates	**: 11/10/25 21:41 11/11/25 01:18**		

Calibration Files

L11 =VE251110N04.D L1 =VE251110N05.D L2 =VE251110N07.D L3 =VE251110N09.D L4 =VE251110N10.D

L6 =VE251110N11.D L8 =VE251110N12.D L10 =VE251110N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP	1,1-Dichloropr		0.186	0.247	0.303	0.333	0.334	0.335	0.308	0.292	19.22
45) TP	Benzene	0.796	0.755	0.917	0.987	1.001	0.985	1.002	0.974	0.927	10.56
46) TP	Tertiary-Amyl Methyl Ether		0.379	0.415	0.457	0.515	0.537	0.568	0.572	0.492	15.45
47) S	1,2-Dichloroethane-d4	0.393	0.377	0.388	0.390	0.419	0.335	0.344	0.357	0.376	7.52
48) T	1,2-Dichloroethane	0.398	0.356	0.377	0.380	0.393	0.386	0.394	0.382	0.383	3.48
51) TP	Methyl cyclohe			0.304	0.372	0.401	0.414	0.417	0.361	0.378	11.35
52) TP	Trichloroethene	0.181	0.201	0.210	0.232	0.237	0.243	0.247	0.238	0.224	10.52
54) TP	Dibromomethane		0.131	0.137	0.139	0.143	0.137	0.140	0.137	0.138	2.58
55) TP	1,2-Dichloropr		0.265	0.265	0.291	0.312	0.310	0.313	0.300	0.294	7.21
57) TP	2-Chloroethyl		0.094	0.099	0.115	0.130	0.135	0.140	0.116	0.118	14.99
58) TP	Bromodichlorom		0.244	0.303	0.307	0.345	0.343	0.347	0.339	0.318	11.77
61) TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	9.00
62) TP	cis-1,3-Dichloropropene	0.286	0.251	0.293	0.346	0.391	0.408	0.417	0.405	0.350	18.61
63) I	Chlorobenzene-d5	----------ISTD----------									
64) S	Toluene-d8	1.318	1.344	1.331	1.366	1.357	1.383	1.312	1.295	1.338	2.22
65) TP	Toluene		0.647	0.727	0.784	0.774	0.771	0.760	0.729	0.742	6.35
66) TP	4-Methyl-2-pen			0.088	0.090	0.097	0.100	0.103	0.097	0.096	6.14
67) TP	Tetrachloroethene	0.135	0.187	0.231	0.276	0.271	0.277	0.275	0.257	*L	0.9987
69) TP	trans-1,3-Dichloropropene	0.185	0.360	0.319	0.378	0.434	0.472	0.475	0.465	*Q	0.9987
71) TP	Ethyl methacry		0.289	0.266	0.312	0.335	0.326	0.323	0.306	0.308	7.71
72) TP	1,1,2-Trichlor		0.177	0.163	0.182	0.201	0.210	0.212	0.205	0.193#	9.73
73) TP	Chlorodibromom		0.185	0.205	0.243	0.272	0.303	0.308	0.300	0.259	19.16
74) TP	1,3-Dichloropr		0.364	0.369	0.414	0.450	0.476	0.475	0.451	0.428	11.02
75) TP	1,2-Dibromoethane		0.234	0.201	0.212	0.233	0.244	0.245	0.233	0.229	7.20
77) TP	2-Hexanone		0.248	0.217	0.222	0.237	0.239	0.232	0.214	0.230	5.47
78) TP	Chlorobenzene		0.680	0.810	0.884	0.865	0.871	0.863	0.838	0.830	8.47
79) TP	Ethylbenzene		1.229	1.467	1.686	1.663	1.643	1.606	1.555	1.550	10.31
80) TP	1,1,1,2-Tetrac		0.157	0.223	0.240	0.264	0.291	0.294	0.292	0.252	19.89
81) TP	p/m Xylene		0.478	0.575	0.651	0.614	0.627	0.629	0.664	0.605	10.40
82) TP	o Xylene		0.436	0.582	0.626	0.616	0.634	0.640	0.666	0.600	12.78
83) TP	Styrene		0.759	0.975	1.031	1.063	1.127	1.149	1.229	1.047	14.50
84) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85) TP	Bromoform		0.174	0.239	0.235	0.290	0.313	0.345	0.341	*Q	0.9982
87) TP	Isopropylbenzene		2.132	2.634	3.033	3.072	3.140	3.278	3.094	2.912	13.63
88) S	4-Bromofluorobenzene	1.017	1.014	0.983	0.953	0.916	0.911	0.923	0.909	0.953	4.79
89) TP	Bromobenzene		0.559	0.611	0.609	0.602	0.621	0.631	0.601	0.605	3.77

Initial Calibration Summary
Form 6
Volatiles

Client	**: Impact Environmental**	**Lab Number**	**: L2575357**
Project Name	**: 5801 AMBOY RD STATEN ISLAND**	**Project Number**	**: 17518**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL22806**
Calibration dates	**: 11/10/25 21:41 11/11/25 01:18**		

Calibration Files
L11 =VE251110N04.D L1 =VE251110N05.D L2 =VE251110N07.D L3 =VE251110N09.D L4 =VE251110N10.D
L6 =VE251110N11.D L8 =VE251110N12.D L10 =VE251110N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP	n-Propylbenzene		2.587	3.551	3.834	3.872	3.923	4.072	3.838	3.668	13.66
91) TP	1,4-Dichlorobu		1.064	1.169	1.147	1.217	1.238	1.290	1.229	1.193	6.18
92) TP	1,1,2,2-Tetrachloroethane	0.601	0.584	0.555	0.529	0.554	0.522	0.543	0.508	0.549	5.69
93) TP	4-Ethyltoluene		2.139	2.791	3.002	3.008	2.996	3.107	2.985	2.861	11.61
94) TP	2-Chlorotoluene		2.087	2.192	2.330	2.207	2.138	2.313	2.205	2.210	3.96
95) TP	1,3,5-Trimethy		1.809	2.371	2.597	2.688	2.775	2.865	2.843	2.564	14.56
96) TP	1,2,3-Trichlor		0.502	0.464	0.455	0.479	0.487	0.520	0.513	0.489	5.03
97) TP	trans-1,4-Dich		0.268	0.226	0.233	0.252	0.249	0.262	0.241	0.247	6.12
98) TP	4-Chlorotoluene		1.754	2.189	2.340	2.326	2.323	2.406	2.311	2.235	9.92
99) TP	tert-Butylbenzene		1.575	1.920	2.199	2.193	2.225	2.283	2.155	2.079	12.03
102) TP	1,2,4-Trimethy		1.881	2.275	2.610	2.678	2.804	2.847	2.805	2.557	13.93
103) TP	sec-Butylbenzene		2.158	2.956	3.393	3.366	3.491	3.566	3.353	3.183	15.45
104) TP	p-Isopropyltol		1.660	2.415	2.758	2.866	2.969	3.025	2.981	2.668	18.39
105) TP	1,3-Dichlorobe		1.082	1.287	1.354	1.385	1.375	1.397	1.392	1.325	8.55
106) TP	1,4-Dichlorobe		1.145	1.302	1.333	1.337	1.333	1.367	1.378	1.314	5.97
107) TP	p-Diethylbenzene		1.057	1.330	1.657	1.689	1.725	1.799	1.785	1.577	17.64
108) TP	n-Butylbenzene		1.691	2.284	2.769	2.829	2.850	2.936	2.825	2.598	17.45
109) TP	1,2-Dichlorobe		0.979	1.175	1.283	1.310	1.266	1.300	1.299	1.230	9.74
110) TP	1,2,4,5-Tetram			2.021	2.609	2.675	2.781	3.014	2.903	2.667	13.10
111) TP	1,2-Dibromo-3-		0.034	0.066	0.079	0.079	0.081	0.086	0.080	*L	0.9992
112) TP	1,3,5-Trichlor		0.564	0.791	0.832	0.848	0.857	0.897	0.867	0.808	13.91
113) TP	Hexachlorobuta		0.111	0.170	0.212	0.214	0.220	0.223	0.201	*L	0.9977
114) TP	1,2,4-Trichlor		0.544	0.578	0.677	0.692	0.715	0.736	0.721	0.666	11.23
115) TP	Naphthalene		1.141	1.323	1.649	1.787	1.886	1.975	1.862	1.660	18.89
116) TP	1,2,3-Trichlor		0.466	0.504	0.568	0.609	0.635	0.661	0.625	0.581	12.48

Response Factor Report Elaine

Method Path : K:\Elaine\2025\251110NICAL\
Method File : Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 12 12:15:18 2025
Response Via : Initial Calibration

Calibration Files
L11 =VE251110N04.D L1 =VE251110N05.D L2 =VE251110N07.D L3 =VE251110N09.D L4 =VE251110N10.D
L6 =VE251110N11.D L8 =VE251110N12.D L10 =VE251110N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------							
2)	TP	Dichlorodifluo...		0.267	0.373	0.410	0.351	0.328	0.310	0.256	0.328	16.89
3)	TP	Chloromethane		0.437	0.499	0.506	0.453	0.403	0.392	0.377	0.438	11.60
4)	TP	Vinyl chloride	0.370	0.255	0.402	0.431	0.369	0.322	0.306	0.274	0.341	18.14
5)	TP	Bromomethane		0.146	0.139	0.148	0.151	0.162	0.168	0.180	0.156	9.29
6)	TP	Chloroethane		0.174	0.247	0.267	0.247	0.221	0.224	0.176	0.222	16.06
7)	TP	Trichlorofluor...		0.279	0.471	0.515	0.429	0.395	0.391	0.346	0.404	19.37
8)	TP	Ethyl ether		0.119	0.117	0.130	0.131	0.137	0.144	0.146	0.132	8.71
10)	TP	1,1-Dichloroet...		0.180	0.229	0.262	0.243	0.222	0.218	0.207	0.223	11.64
11)	TP	Carbon disulfide		0.616	0.844	0.883	0.777	0.729	0.727	0.707	0.755	11.83
12)	TP	Freon-113		0.157	0.205	0.256	0.232	0.222	0.219	0.192	0.212	14.90
13)	TP	Iodomethane			0.098	0.120	0.155	0.186	0.192	0.189	*Q	0.9976
14)	TP	Acrolein			0.045	0.031	0.041	0.038	0.040	0.037	0.039	12.33
15)	TP	Methylene chlo...		0.319	0.312	0.294	0.265	0.240	0.240	0.230	0.271	13.62
17)	TP	Acetone			0.114	0.095	0.085	0.078	0.078	0.077	0.088	16.48
18)	TP	trans-1,2-Dich...		0.151	0.216	0.240	0.235	0.221	0.221	0.207	0.213	13.89
19)	TP	Methyl acetate			0.173	0.155	0.156	0.150	0.157	0.155	0.158	4.98
21)	TP	Methyl tert-bu...		0.359	0.406	0.454	0.508	0.552	0.590	0.595	0.495	18.54
22)	TP	tert-Butyl alc...			0.016	0.016	0.016	0.015	0.017	0.016	0.016	2.88
24)	TP	Diisopropyl ether		0.783	0.897	1.029	1.120	1.159	1.205	1.192	1.055	15.27
25)	TP	1,1-Dichloroet...		0.504	0.623	0.649	0.607	0.561	0.548	0.521	0.573	9.42
26)	TP	Halothane			0.131	0.157	0.160	0.157	0.158	0.150	0.152	7.24
27)	TP	Acrylonitrile		0.115	0.101	0.090	0.095	0.089	0.092	0.083	0.095	10.62
28)	TP	Ethyl tert-but...		0.478	0.595	0.676	0.755	0.813	0.865	0.875	*Q	0.9993
29)	TP	Vinyl acetate		0.534	0.542	0.546	0.695	0.710	0.771	0.777	0.654	16.81
30)	TP	cis-1,2-Dichlo...		0.229	0.249	0.279	0.274	0.258	0.254	0.244	0.256	6.70
31)	TP	2,2-Dichloropr...		0.232	0.343	0.395	0.408	0.391	0.394	0.365	0.361	16.90
33)	TP	Bromochloromet...		0.101	0.137	0.125	0.115	0.107	0.102	0.097	0.112	13.14
34)	TP	Cyclohexane		0.370	0.498	0.623	0.613	0.617	0.610	0.519	0.550	17.17
35)	TP	Chloroform		0.861	0.591	0.514	0.466	0.442	0.439	0.419	*L	0.9987
36)	TP	Ethyl acetate		0.218	0.192	0.216	0.234	0.241	0.255	0.247	0.229	9.47

Method Path : K:\Elaine\2025\251110NICAL\
Method File : Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 12 12:15:18 2025
Response Via : Initial Calibration

Calibration Files
L11 =VE251110N04.D L1 =VE251110N05.D L2 =VE251110N07.D L3 =VE251110N09.D L4 =VE251110N10.D
L6 =VE251110N11.D L8 =VE251110N12.D L10 =VE251110N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
37)	TP	Carbon tetrach...	0.229	0.184	0.255	0.312	0.307	0.303	0.316	0.279	0.273	17.34
38)	TP	Tetrahydrofuran			0.082	0.084	0.086	0.079	0.080	0.082	0.082	3.14
39)	S	Dibromofluorom...	0.304	0.305	0.296	0.290	0.268	0.250	0.246	0.246	0.276	9.45
40)	TP	1,1,1-Trichlor...		0.233	0.322	0.386	0.388	0.371	0.373	0.345	0.345	15.88
42)	TP	2-Butanone			0.111	0.109	0.112	0.108	0.110	0.109	0.110	1.38
43)	TP	1,1-Dichloropr...		0.186	0.247	0.303	0.333	0.334	0.335	0.308	0.292	19.22
45)	TP	Benzene	0.796	0.755	0.917	0.987	1.001	0.985	1.002	0.974	0.927	10.56
46)	TP	tert-Amyl meth...		0.379	0.415	0.457	0.515	0.537	0.568	0.572	0.492	15.45
47)	S	1,2-Dichloroet...	0.393	0.377	0.388	0.390	0.419	0.335	0.344	0.357	0.376	7.52
48)	T	1,2-Dichloroet...	0.398	0.356	0.377	0.380	0.393	0.386	0.394	0.382	0.383	3.48
51)	TP	Methyl cyclohe...			0.304	0.372	0.401	0.414	0.417	0.361	0.378	11.35
52)	TP	Trichloroethene	0.181	0.201	0.210	0.232	0.237	0.243	0.247	0.238	0.224	10.52
54)	TP	Dibromomethane		0.131	0.137	0.139	0.143	0.137	0.140	0.137	0.138	2.58
55)	TP	1,2-Dichloropr...		0.265	0.265	0.291	0.312	0.310	0.313	0.300	0.294	7.21
57)	TP	2-Chloroethyl ...		0.094	0.099	0.115	0.130	0.135	0.140	0.116	0.118	14.99
58)	TP	Bromodichlorom...		0.244	0.303	0.307	0.345	0.343	0.347	0.339	0.318	11.77
61)	TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	9.00
62)	TP	cis-1,3-Dichlo...	0.286	0.251	0.293	0.346	0.391	0.408	0.417	0.405	0.350	18.61
63)	I	Chlorobenzene-d5	----------ISTD----------									
64)	S	Toluene-d8	1.318	1.344	1.331	1.366	1.357	1.383	1.312	1.295	1.338	2.22
65)	TP	Toluene		0.647	0.727	0.784	0.774	0.771	0.760	0.729	0.742	6.35
66)	TP	4-Methyl-2-pen...			0.088	0.090	0.097	0.100	0.103	0.097	0.096	6.14
67)	TP	Tetrachloroethene	0.135	0.187	0.231	0.276	0.271	0.277	0.275	0.257	*L	0.9987
69)	TP	trans-1,3-Dich...	0.185	0.360	0.319	0.378	0.434	0.472	0.475	0.465	*Q	0.9987
71)	TP	Ethyl methacry...		0.289	0.266	0.312	0.335	0.326	0.323	0.306	0.308	7.71
72)	TP	1,1,2-Trichlor...		0.177	0.163	0.182	0.201	0.210	0.212	0.205	0.193#	9.73
73)	TP	Chlorodibromom...		0.185	0.205	0.243	0.272	0.303	0.308	0.300	0.259	19.16
74)	TP	1,3-Dichloropr...		0.364	0.369	0.414	0.450	0.476	0.475	0.451	0.428	11.02
75)	TP	1,2-Dibromoethane		0.234	0.201	0.212	0.233	0.244	0.245	0.233	0.229	7.20
77)	TP	2-Hexanone		0.248	0.217	0.222	0.237	0.239	0.232	0.214	0.230	5.47
78)	TP	Chlorobenzene		0.680	0.810	0.884	0.865	0.871	0.863	0.838	0.830	8.47

Method Path : K:\Elaine\2025\251110NICAL\
Method File : Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 12 12:15:18 2025
Response Via : Initial Calibration

Calibration Files
L11 =VE251110N04.D L1 =VE251110N05.D L2 =VE251110N07.D L3 =VE251110N09.D L4 =VE251110N10.D
L6 =VE251110N11.D L8 =VE251110N12.D L10 =VE251110N13.D

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
79)	TP	Ethylbenzene		1.229	1.467	1.686	1.663	1.643	1.606	1.555	1.550		10.31
80)	TP	1,1,1,2-Tetrac...		0.157	0.223	0.240	0.264	0.291	0.294	0.292	0.252		19.89
81)	TP	p/m Xylene		0.478	0.575	0.651	0.614	0.627	0.629	0.664	0.605		10.40
82)	TP	o Xylene		0.436	0.582	0.626	0.616	0.634	0.640	0.666	0.600		12.78
83)	TP	Styrene		0.759	0.975	1.031	1.063	1.127	1.149	1.229	1.047		14.50
84)	I	1,4-Dichlorobenzene-d4		----------ISTD----------									
85)	TP	Bromoform		0.174	0.239	0.235	0.290	0.313	0.345	0.341	*Q		0.9982
87)	TP	Isopropylbenzene		2.132	2.634	3.033	3.072	3.140	3.278	3.094	2.912		13.63
88)	S	4-Bromofluorob...	1.017	1.014	0.983	0.953	0.916	0.911	0.923	0.909	0.953		4.79
89)	TP	Bromobenzene		0.559	0.611	0.609	0.602	0.621	0.631	0.601	0.605		3.77
90)	TP	n-Propylbenzene		2.587	3.551	3.834	3.872	3.923	4.072	3.838	3.668		13.66
91)	TP	1,4-Dichlorobu...		1.064	1.169	1.147	1.217	1.238	1.290	1.229	1.193		6.18
92)	TP	1,1,2,2-Tetrac...	0.601	0.584	0.555	0.529	0.554	0.522	0.543	0.508	0.549		5.69
93)	TP	4-Ethyltoluene		2.139	2.791	3.002	3.008	2.996	3.107	2.985	2.861		11.61
94)	TP	2-Chlorotoluene		2.087	2.192	2.330	2.207	2.138	2.313	2.205	2.210		3.96
95)	TP	1,3,5-Trimethy...		1.809	2.371	2.597	2.688	2.775	2.865	2.843	2.564		14.56
96)	TP	1,2,3-Trichlor...		0.502	0.464	0.455	0.479	0.487	0.520	0.513	0.489		5.03
97)	TP	trans-1,4-Dich...		0.268	0.226	0.233	0.252	0.249	0.262	0.241	0.247		6.12
98)	TP	4-Chlorotoluene		1.754	2.189	2.340	2.326	2.323	2.406	2.311	2.235		9.92
99)	TP	tert-Butylbenzene		1.575	1.920	2.199	2.193	2.225	2.283	2.155	2.079		12.03
102)	TP	1,2,4-Trimethy...		1.881	2.275	2.610	2.678	2.804	2.847	2.805	2.557		13.93
103)	TP	sec-Butylbenzene		2.158	2.956	3.393	3.366	3.491	3.566	3.353	3.183		15.45
104)	TP	p-Isopropyltol...		1.660	2.415	2.758	2.866	2.969	3.025	2.981	2.668		18.39
105)	TP	1,3-Dichlorobe...		1.082	1.287	1.354	1.385	1.375	1.397	1.392	1.325		8.55
106)	TP	1,4-Dichlorobe...		1.145	1.302	1.333	1.337	1.333	1.367	1.378	1.314		5.97
107)	TP	p-Diethylbenzene		1.057	1.330	1.657	1.689	1.725	1.799	1.785	1.577		17.64
108)	TP	n-Butylbenzene		1.691	2.284	2.769	2.829	2.850	2.936	2.825	2.598		17.45
109)	TP	1,2-Dichlorobe...		0.979	1.175	1.283	1.310	1.266	1.300	1.299	1.230		9.74
110)	TP	1,2,4,5-Tetram...			2.021	2.609	2.675	2.781	3.014	2.903	2.667		13.10
111)	TP	1,2-Dibromo-3-...		0.034	0.066	0.079	0.079	0.081	0.086	0.080	*L		0.9992
112)	TP	1,3,5-Trichlor...		0.564	0.791	0.832	0.848	0.857	0.897	0.867	0.808		13.91

Method Path : K:\Elaine\2025\251110NICAL\
Method File : Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 12 12:15:18 2025
Response Via : Initial Calibration

Calibration Files
L11 =VE251110N04.D L1 =VE251110N05.D L2 =VE251110N07.D L3 =VE251110N09.D L4 =VE251110N10.D
L6 =VE251110N11.D L8 =VE251110N12.D L10 =VE251110N13.D

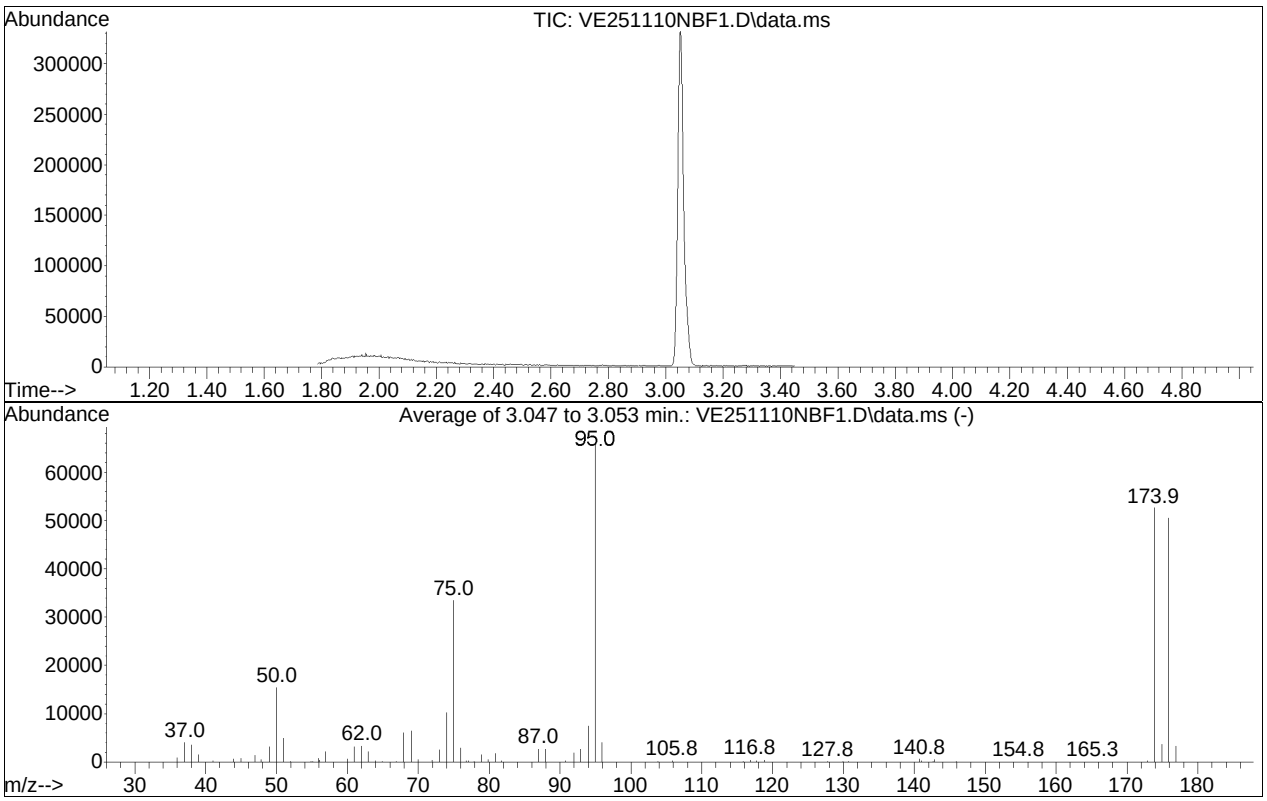
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
113)	TP Hexachlorobuta...	0.111	0.170	0.212	0.214	0.220	0.223	0.201	*L	0.9977	
114)	TP 1,2,4-Trichlor...	0.544	0.578	0.677	0.692	0.715	0.736	0.721	0.666	11.23	
115)	TP Naphthalene	1.141	1.323	1.649	1.787	1.886	1.975	1.862	1.660	18.89	
116)	TP 1,2,3-Trichlor...	0.466	0.504	0.568	0.609	0.635	0.661	0.625	0.581	12.48	

(#) = Out of Range

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110NBF1.D
Acq On : 10 Nov 2025 7:57 pm
Operator : ELAINE:PID
Sample : WG2140152-1
Misc : WG2140152
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Nov 11 14:01:47 2025



AutoFind: Scans 453, 454, 455; Background Corrected with Scan 442

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.4	15452	PASS
75	95	30	60	50.7	33499	PASS
95	95	100	100	100.0	66109	PASS
96	95	5	9	6.2	4087	PASS
173	174	0.00	2	0.6	306	PASS
174	95	50	100	79.6	52600	PASS
175	174	5	9	7.2	3770	PASS
176	174	95	101	96.0	50472	PASS
177	176	5	9	6.5	3275	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N04.D
Acq On : 10 Nov 2025 9:41 pm
Operator : ELAINE:PID
Sample : I8260STD0.19PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 11 13:21:00 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.638	96	179608	10.000 ug/L	0.00
Standard Area 1 = 194422			Recovery = 92.38%		
63) Chlorobenzene-d5	9.131	117	149561	10.000 ug/L	0.00
Standard Area 1 = 153144			Recovery = 97.66%		
84) 1,4-Dichlorobenzene-d4	11.910	152	80751	10.000 ug/L	0.00
Standard Area 1 = 86422			Recovery = 93.44%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.847	113	54611	10.486 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.86%		
47) 1,2-Dichloroethane-d4	5.353	65	70656	10.090 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.90%		
64) Toluene-d8	7.305	98	197167	9.650 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.50%		
88) 4-Bromofluorobenzene	10.664	95	82135	10.674 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.74%		
Target Compounds					Qvalue
4) Vinyl chloride	1.708	62	1262M6	0.163 ug/L	
37) Carbon tetrachloride	4.806	117	780	0.139 ug/L #	52
45) Benzene	5.217	78	2716	0.153 ug/L #	58
48) 1,2-Dichloroethane	5.410	62	1358	0.199 ug/L	78
52) Trichloroethene	5.800	95	618	0.148 ug/L #	22
62) cis-1,3-Dichloropropene	7.117	75	975	0.157 ug/L #	37
67) Tetrachloroethene	7.801	166	383M4	0.093 ug/L	
69) trans-1,3-Dichloropropene	7.854	75	525M6	0.093 ug/L	
92) 1,1,2,2-Tetrachloroethane	10.937	83	922	0.216 ug/L #	86

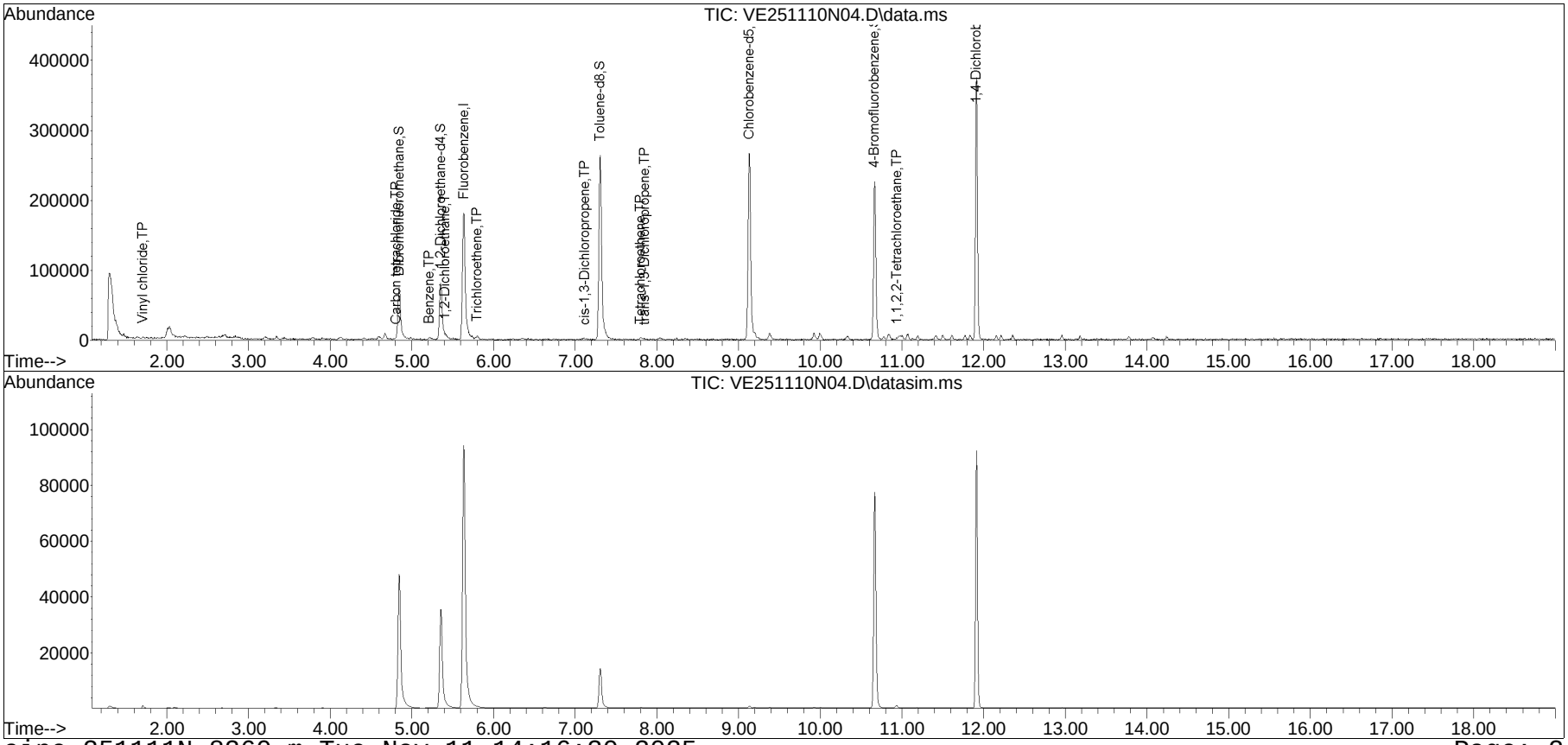
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N04.D
Acq On : 10 Nov 2025 9:41 pm
Operator : ELAINE:PID
Sample : I8260STD0.19PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 11 13:21:00 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

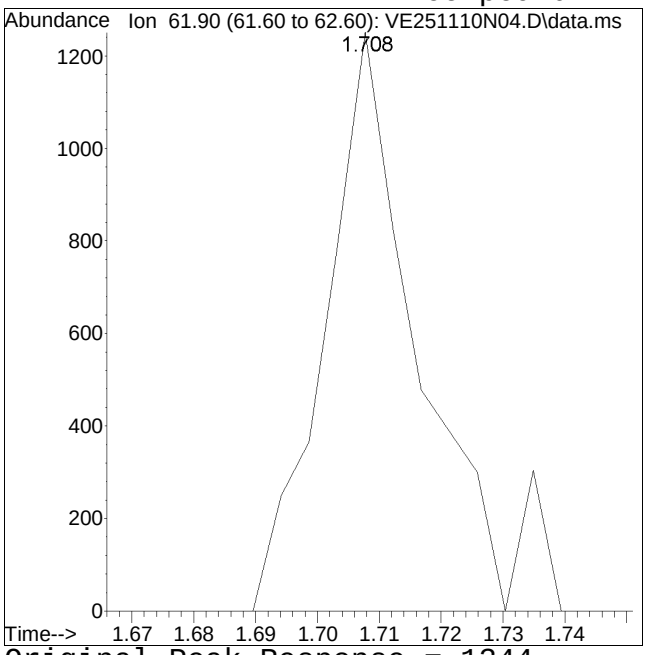
Sub List : 8260-L11_NJnew - L11 new NJCAL\VE251110N09.D•



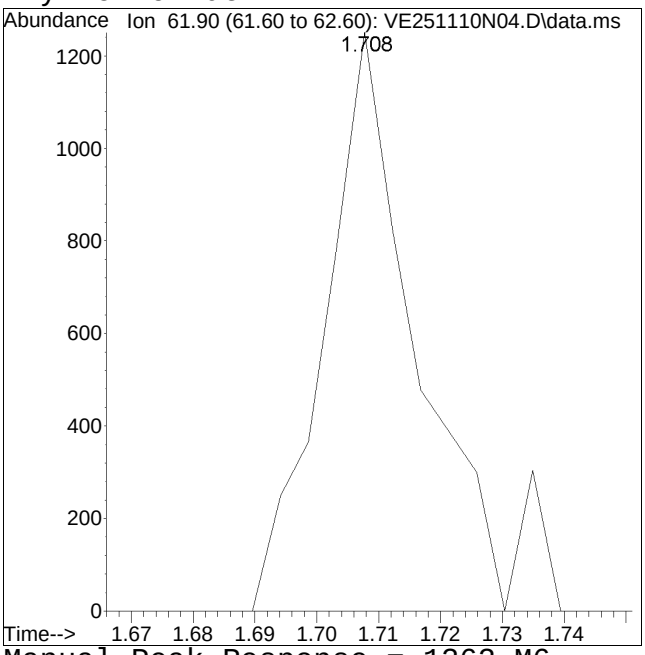
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N04.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 9:41 pm Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 11/11/2025 1:19 pm

Compound #4: Vinyl chloride



Original Peak Response = 1344



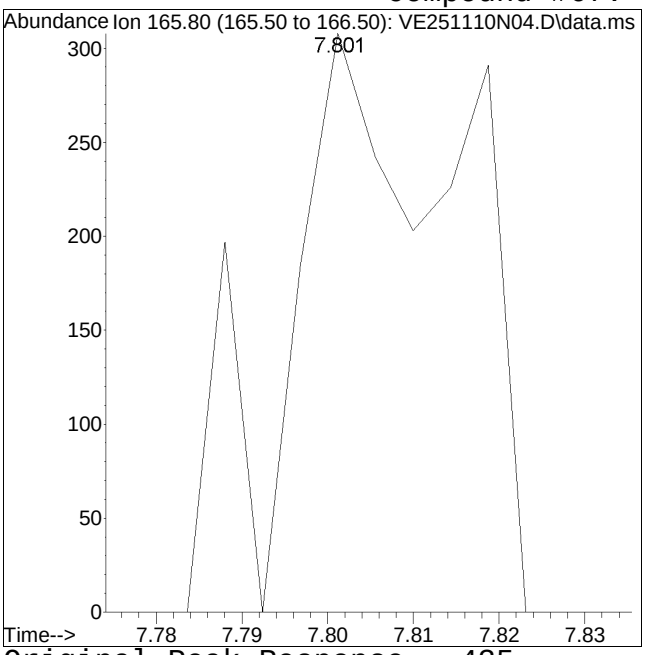
Manual Peak Response = 1262 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

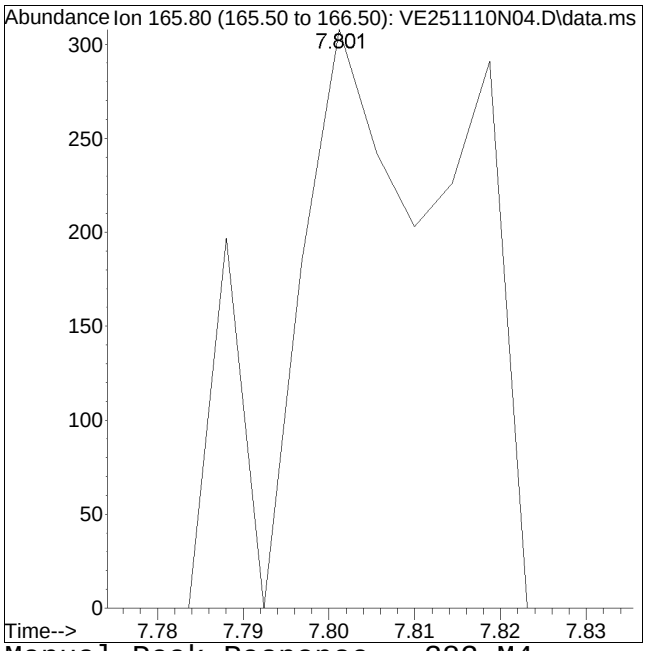
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N04.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 9:41 pm Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 11/11/2025 1:19 pm

Compound #67: Tetrachloroethene



Original Peak Response = 435



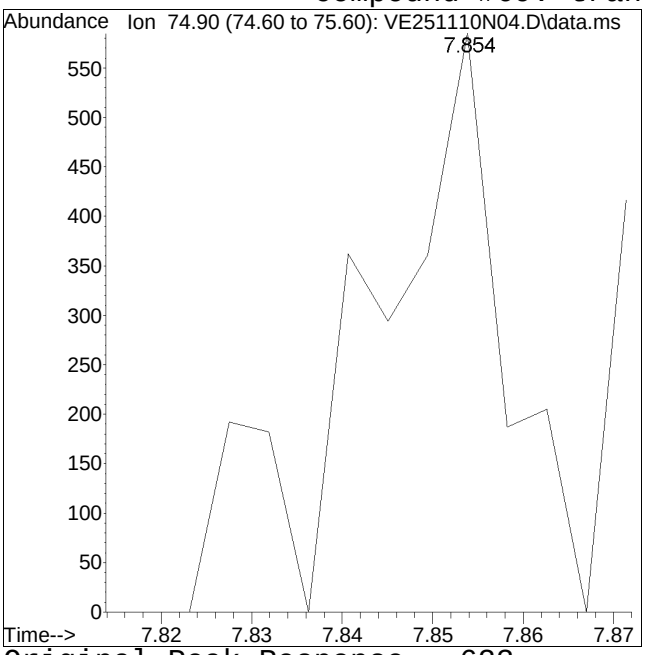
Manual Peak Response = 383 M4

M4 = Poor automated baseline construction.

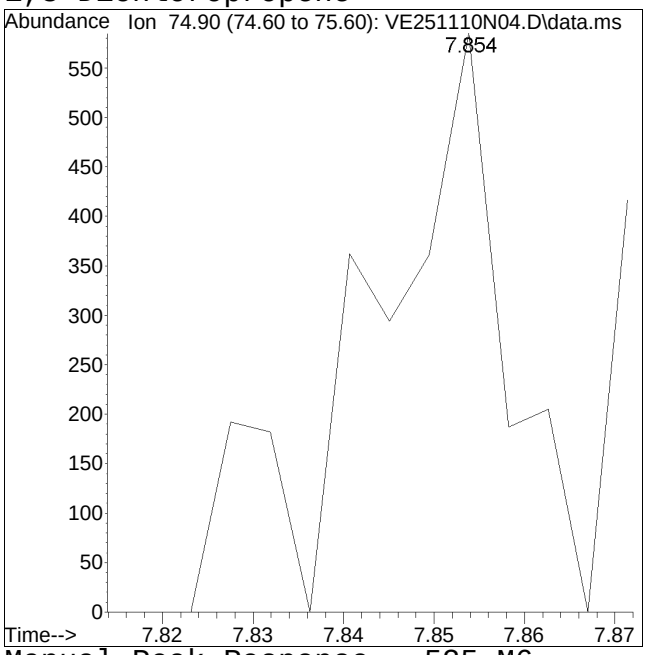
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N04.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 9:41 pm Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 11/11/2025 1:19 pm

Compound #69: trans-1,3-Dichloropropene



Original Peak Response = 623



Manual Peak Response = 525 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N05.D
Acq On : 10 Nov 2025 10:05 pm
Operator : ELAINE:PID
Sample : I8260STD0.5PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 13:23:36 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.634	96	178679	10.000 ug/L	0.00
Standard Area 1 = 194422			Recovery = 91.90%		
63) Chlorobenzene-d5	9.131	117	146749	10.000 ug/L	0.00
Standard Area 1 = 153144			Recovery = 95.82%		
84) 1,4-Dichlorobenzene-d4	11.911	152	81168	10.000 ug/L	0.00
Standard Area 1 = 86422			Recovery = 93.92%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.847	113	54481	10.516 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.16%		
47) 1,2-Dichloroethane-d4	5.357	65	67413	9.676 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.76%		
64) Toluene-d8	7.301	98	197257	9.839 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.39%		
88) 4-Bromofluorobenzene	10.668	95	82288	10.639 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.39%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.468	85	2388M6	0.326 ug/L	
3) Chloromethane	1.640	50	3907	0.432 ug/L	90
4) Vinyl chloride	1.713	62	2282	0.296 ug/L	89
5) Bromomethane	1.984	94	1300	0.493 ug/L #	77
6) Chloroethane	2.098	64	1558	0.327 ug/L	90
7) Trichlorofluoromethane	2.220	101	2492	0.271 ug/L	87
8) Ethyl ether	2.505	74	1059	0.456 ug/L #	20
10) 1,1-Dichloroethene	2.677	96	1612	0.344 ug/L	94
11) Carbon disulfide	2.705	76	5500M3	0.349 ug/L	
12) Freon-113	2.709	101	1401	0.307 ug/L #	76
13) Iodomethane	2.800	142	581	0.270 ug/L #	44
14) Acrolein	0.000		0	N.D. d	
15) Methylene chloride	3.207	84	2853	0.543 ug/L	86
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.352	96	1348	0.314 ug/L	87
19) Methyl acetate	0.000		0	N.D. d	
21) Methyl tert-butyl ether	3.443	73	3208	0.396 ug/L #	87
22) tert-Butyl alcohol	0.000		0	N.D. d	
24) Diisopropyl ether	3.778	45	6996	0.381 ug/L	93
25) 1,1-Dichloroethane	3.905	63	4505	0.389 ug/L	85
26) Halothane	3.964	117	618	0.220 ug/L #	70

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N05.D
Acq On : 10 Nov 2025 10:05 pm
Operator : ELAINE:PID
Sample : I8260STD0.5PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 13:23:36 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.946	53	1023	0.633	ug/L	#	81
28) Ethyl tert-butyl ether	4.127	59	4274	0.354	ug/L	#	49
29) Vinyl acetate	4.150	43	4768	0.489	ug/L	#	88
30) cis-1,2-Dichloroethene	4.412	96	2050	0.411	ug/L		85
31) 2,2-Dichloropropane	4.494	77	2073	0.294	ug/L		75
33) Bromochloromethane	4.603	128	902	0.404	ug/L	#	80
34) Cyclohexane	4.607	56	3303	0.297	ug/L		83
35) Chloroform	4.671	83	7693	0.838	ug/L		96
36) Ethyl acetate	4.793	43	1947M6	0.504	ug/L		
37) Carbon tetrachloride	4.798	117	1644	0.295	ug/L	#	67
38) Tetrahydrofuran	0.000		0	N.D.	d		
40) 1,1,1-Trichloroethane	4.865	97	2080	0.302	ug/L	#	87
42) 2-Butanone	0.000		0	N.D.	d		
43) 1,1-Dichloropropene	4.974	75	1662	0.307	ug/L		88
45) Benzene	5.226	78	6746	0.382	ug/L		97
46) tert-Amyl methyl ether	5.344	73	3387	0.415	ug/L		94
48) 1,2-Dichloroethane	5.428	62	3178	0.468	ug/L		89
51) Methyl cyclohexane	5.787	83	1784	0.269	ug/L		84
52) Trichloroethene	5.822	95	1794	0.433	ug/L	#	35
54) Dibromomethane	6.239	93	1174	0.471	ug/L		93
55) 1,2-Dichloropropane	6.336	63	2368	0.455	ug/L	#	82
57) 2-Chloroethyl vinyl ether	7.047	63	838	0.407	ug/L	#	92
58) Bromodichloromethane	6.424	83	2179	0.397	ug/L	#	90
61) 1,4-Dioxane	6.630	88	3593	111.074	ug/L		92
62) cis-1,3-Dichloropropene	7.104	75	2245	0.363	ug/L	#	83
65) Toluene	7.367	92	4749	0.413	ug/L		84
66) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
67) Tetrachloroethene	7.806	166	1369	0.338	ug/L		94
69) trans-1,3-Dichloropropene	7.845	75	2640M1	0.476	ug/L		
71) Ethyl methacrylate	8.043	69	2120	0.463	ug/L		94
72) 1,1,2-Trichloroethane	8.017	83	1296	0.486	ug/L		89
73) Chlorodibromomethane	8.245	129	1359M6	0.381	ug/L		
74) 1,3-Dichloropropane	8.350	76	2668M6	0.439	ug/L		
75) 1,2-Dibromoethane	8.499	107	1716	0.552	ug/L	#	79
77) 2-Hexanone	8.793	43	1818	0.559	ug/L	#	58
78) Chlorobenzene	9.153	112	4993	0.385	ug/L	#	55
79) Ethylbenzene	9.188	91	9015	0.364	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.232	131	1154	0.328	ug/L	#	55
81) p/m Xylene	9.386	106	7013	0.734	ug/L		93
82) o Xylene	9.930	106	6396	0.697	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N05.D
Acq On : 10 Nov 2025 10:05 pm
Operator : ELAINE:PID
Sample : I8260STD0.5PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 13:23:36 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	9.995	104	11143	0.736	ug/L		97
85) Bromoform	10.017	173	705	0.370	ug/L		86
87) Isopropylbenzene	10.338	105	8652	0.351	ug/L		98
89) Bromobenzene	10.783	156	2269	0.459	ug/L		97
90) n-Propylbenzene	10.831	91	10501	0.337	ug/L	#	87
91) 1,4-Dichlorobutane	10.853	55	4317	0.464	ug/L	#	90
92) 1,1,2,2-Tetrachloroethane	10.928	83	2370	0.552	ug/L		93
93) 4-Ethyltoluene	10.968	105	8682	0.356	ug/L		98
94) 2-Chlorotoluene	10.999	91	8469	0.448	ug/L		95
95) 1,3,5-Trimethylbenzene	11.069	105	7343	0.348	ug/L		95
96) 1,2,3-Trichloropropane	11.065	75	2038	0.551	ug/L	#	84
97) trans-1,4-Dichloro-2-b...	11.122	53	1089	0.577	ug/L	#	64
98) 4-Chlorotoluene	11.197	91	7119	0.375	ug/L		98
99) tert-Butylbenzene	11.413	119	6393	0.358	ug/L		93
102) 1,2,4-Trimethylbenzene	11.497	105	7632	0.360	ug/L		90
103) sec-Butylbenzene	11.611	105	8757	0.318	ug/L		98
104) p-Isopropyltoluene	11.774	119	6736	0.301	ug/L		86
105) 1,3-Dichlorobenzene	11.840	146	4392	0.400	ug/L		97
106) 1,4-Dichlorobenzene	11.928	146	4647M3	0.429	ug/L		
107) p-Diethylbenzene	12.157	119	4290	0.319	ug/L		96
108) n-Butylbenzene	12.210	91	6864	0.305	ug/L		92
109) 1,2-Dichlorobenzene	12.356	146	3974	0.382	ug/L		97
110) 1,2,4,5-Tetramethylben...	12.955	119	6286	0.297	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.153	155	140M6	0.218	ug/L		
112) 1,3,5-Trichlorobenzene	13.184	180	2289	0.339	ug/L	#	88
113) Hexachlorobutadiene	13.757	225	451	0.262	ug/L		90
114) 1,2,4-Trichlorobenzene	13.783	180	2209	0.402	ug/L	#	85
115) Naphthalene	14.074	128	4632	0.346	ug/L		100
116) 1,2,3-Trichlorobenzene	14.237	180	1891	0.410	ug/L	#	95

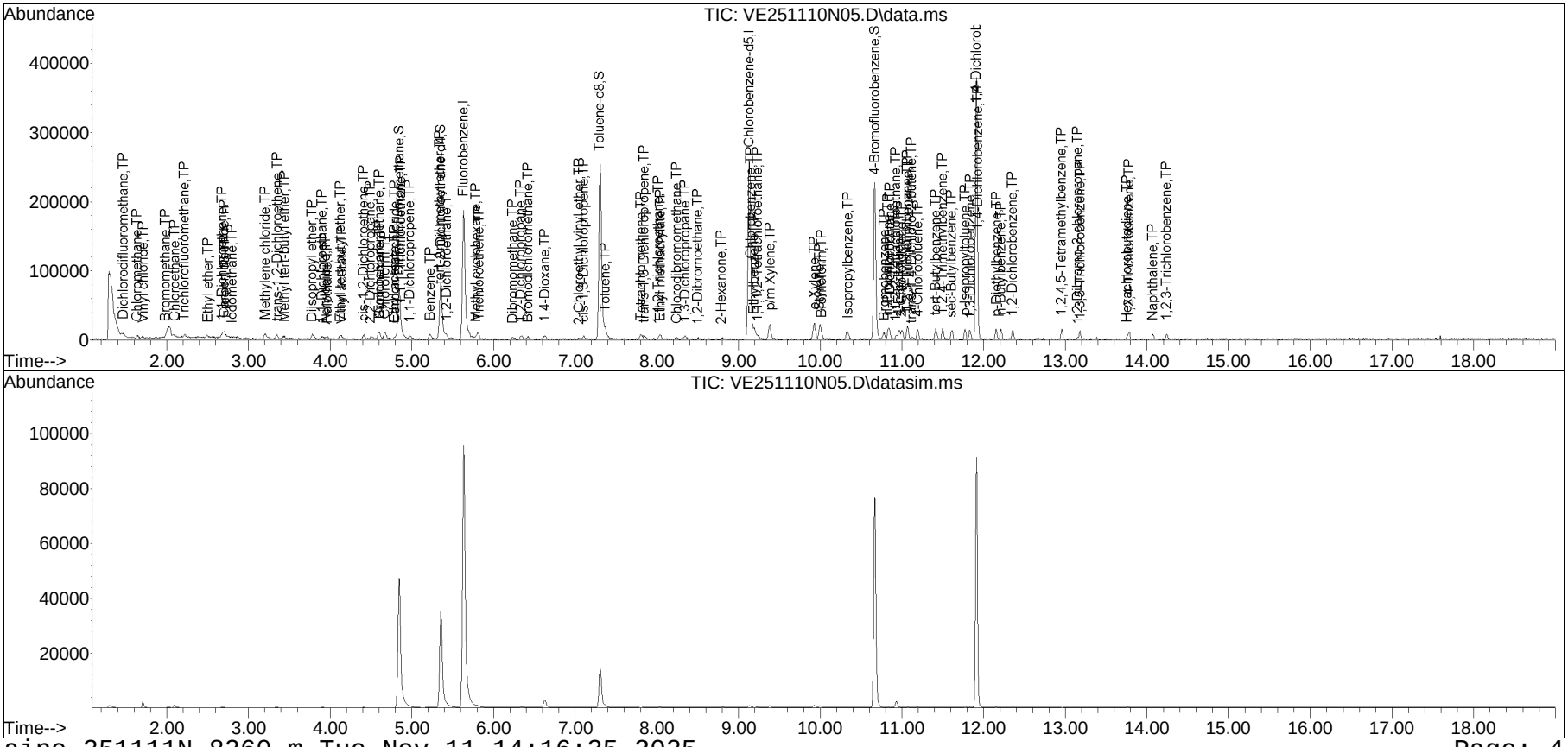
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N05.D
Acq On : 10 Nov 2025 10:05 pm
Operator : ELAINE:PID
Sample : I8260STD0.5PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 13:23:36 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

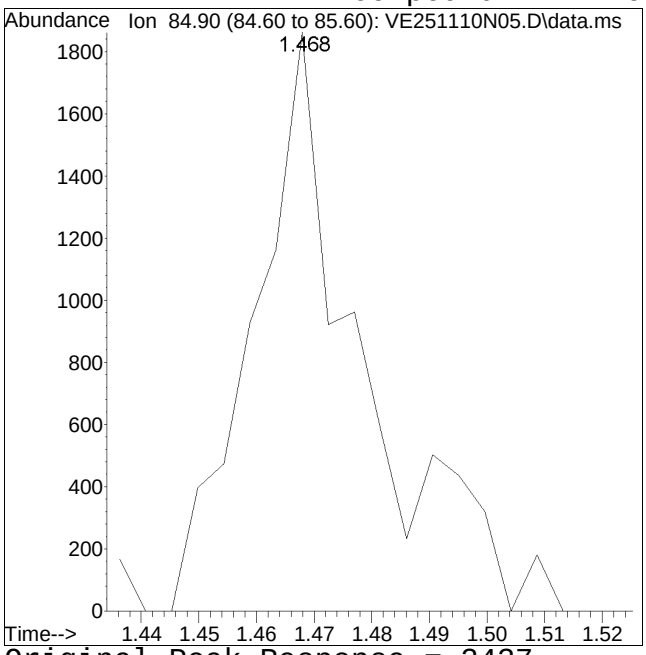
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



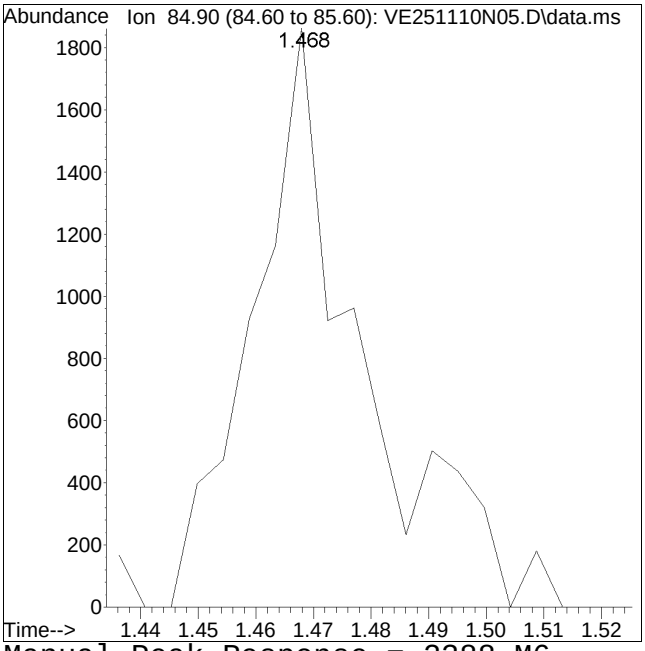
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #2: Dichlorodifluoromethane



Original Peak Response = 2437



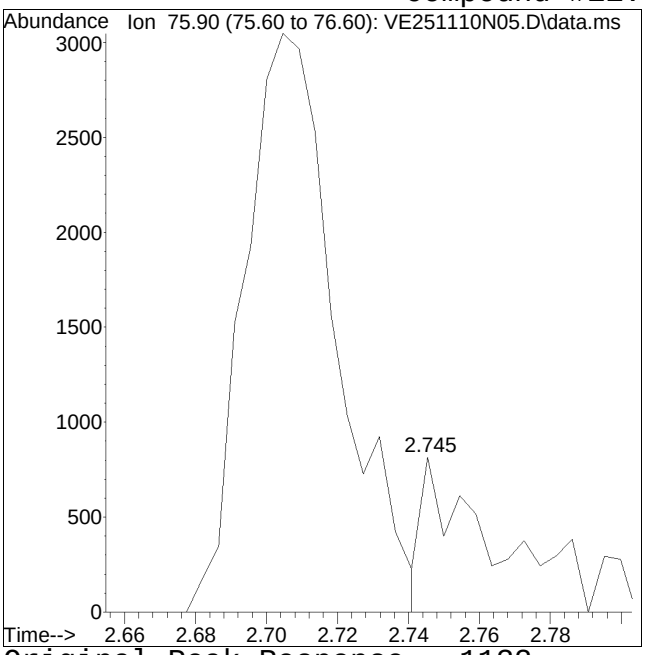
Manual Peak Response = 2388 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

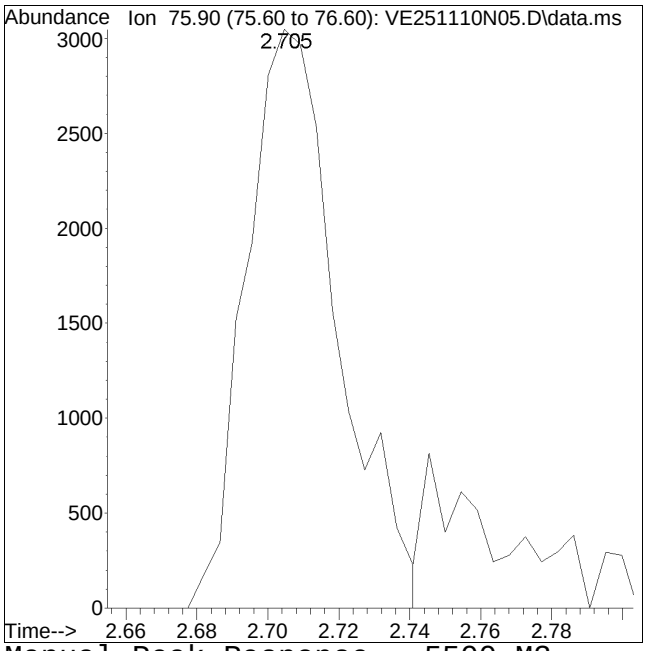
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #11: Carbon disulfide



Original Peak Response = 1132



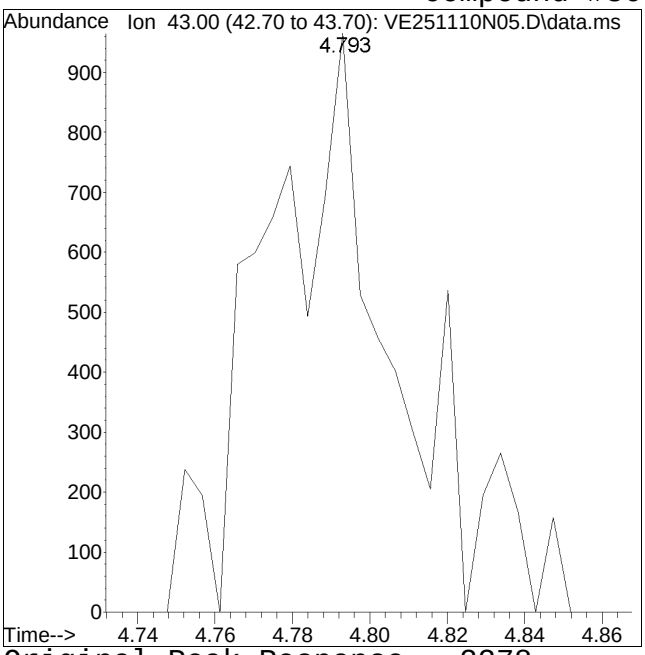
Manual Peak Response = 5500 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

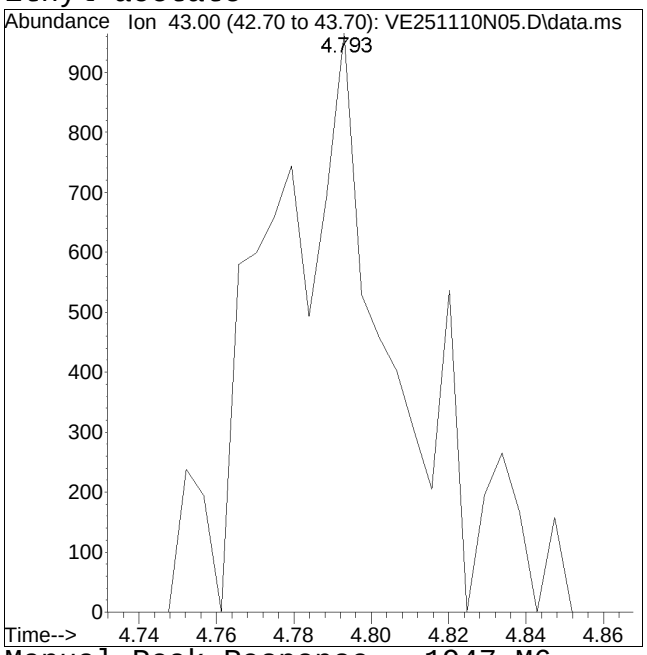
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #36: Ethyl acetate



Original Peak Response = 2278



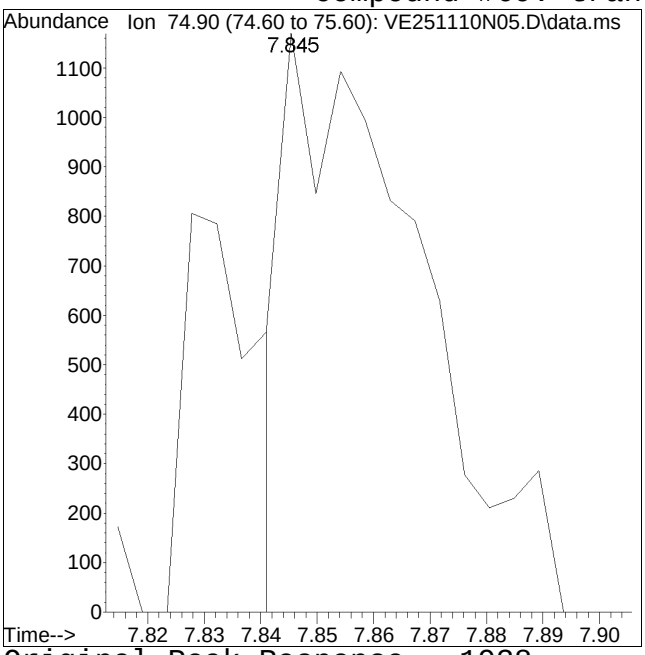
Manual Peak Response = 1947 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

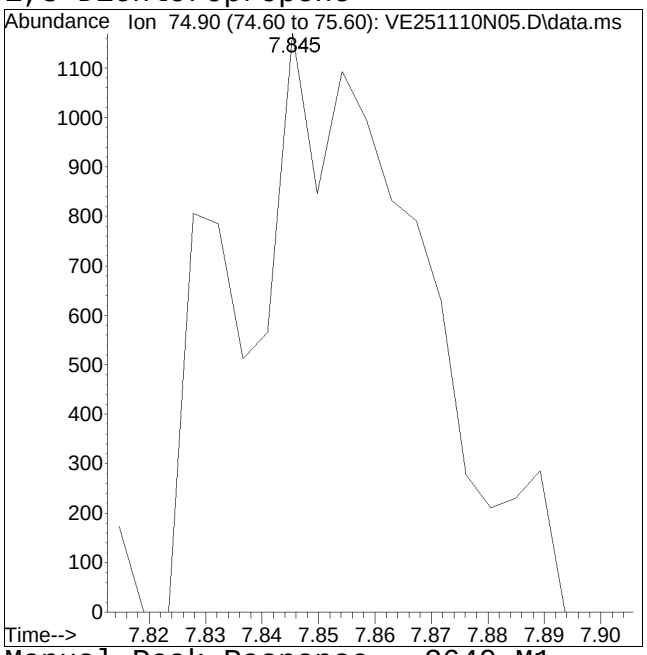
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #69: trans-1,3-Dichloropropene



Original Peak Response = 1938



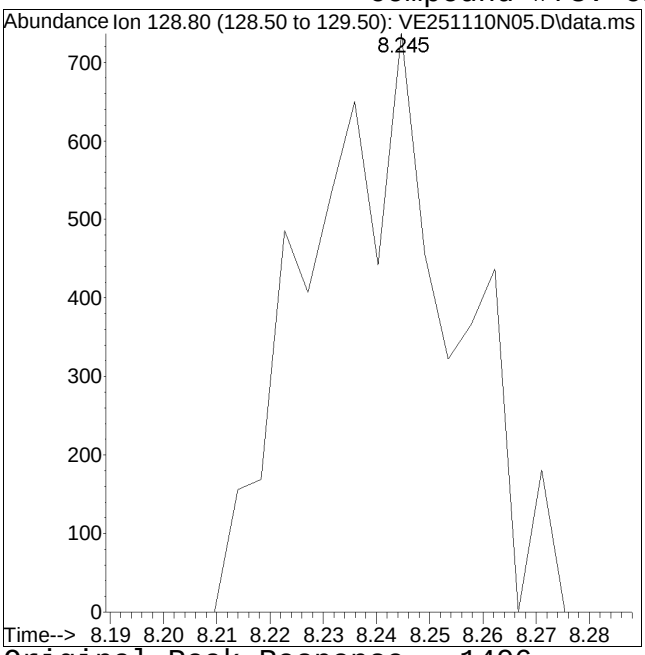
Manual Peak Response = 2640 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

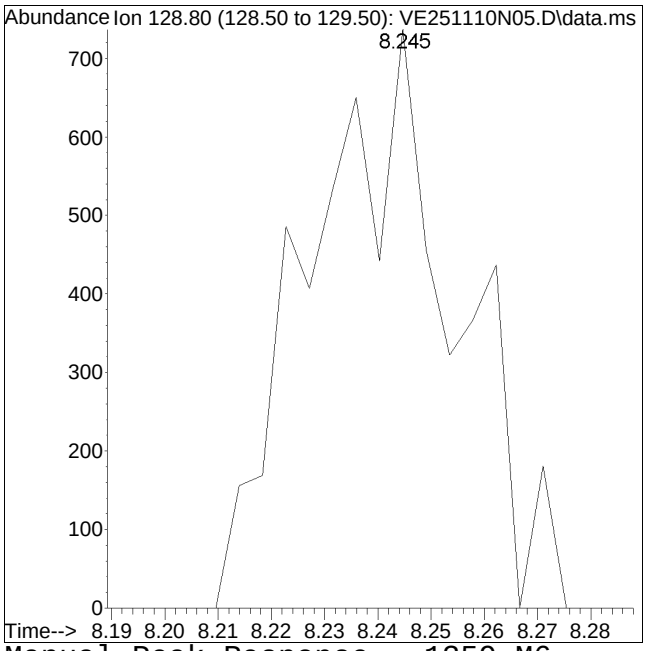
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #73: Chlorodibromomethane



Original Peak Response = 1406



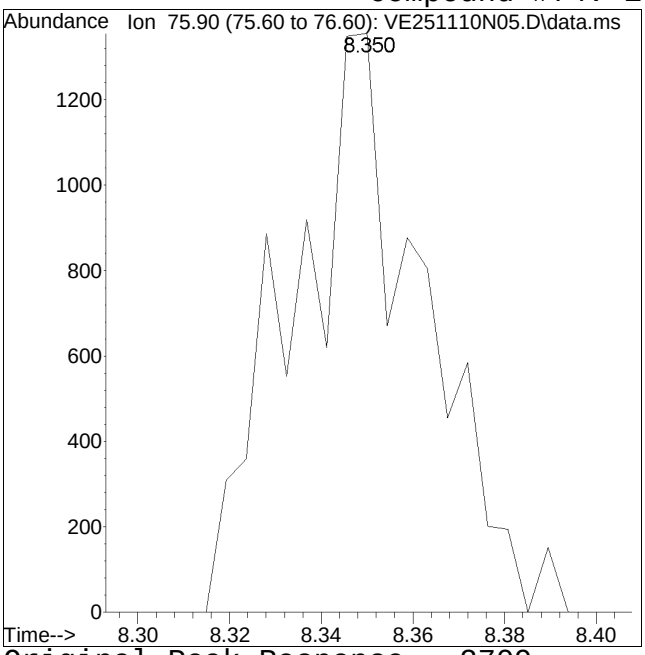
Manual Peak Response = 1359 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

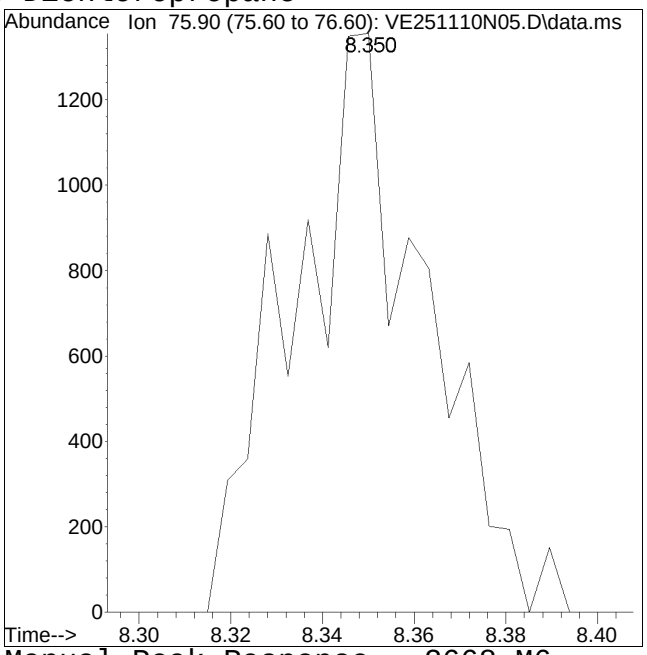
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #74: 1,3-Dichloropropane



Original Peak Response = 2709



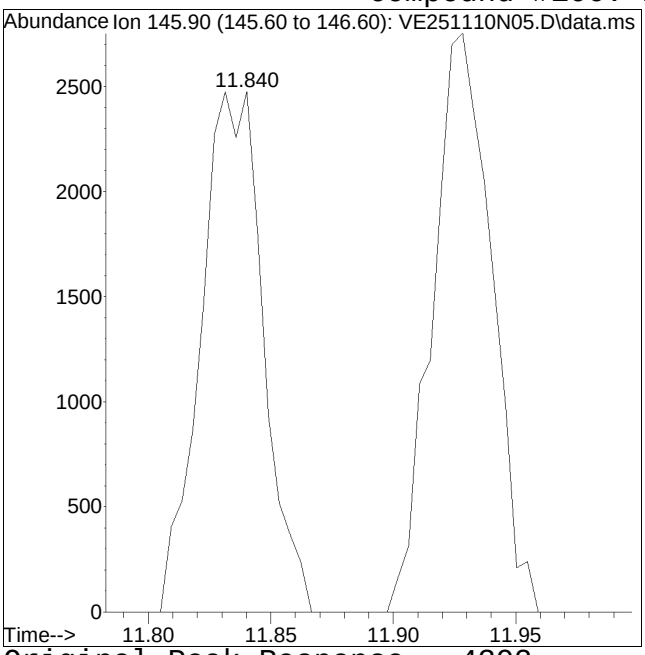
Manual Peak Response = 2668 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

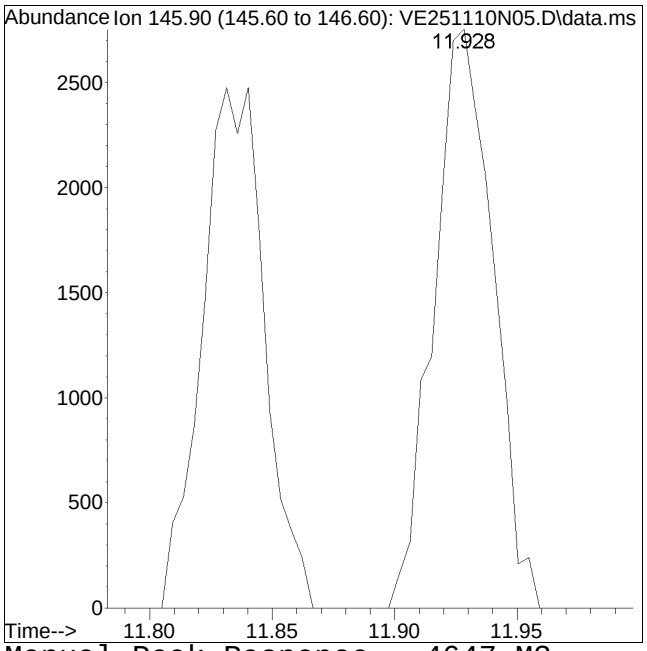
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #106: 1,4-Dichlorobenzene



Original Peak Response = 4392



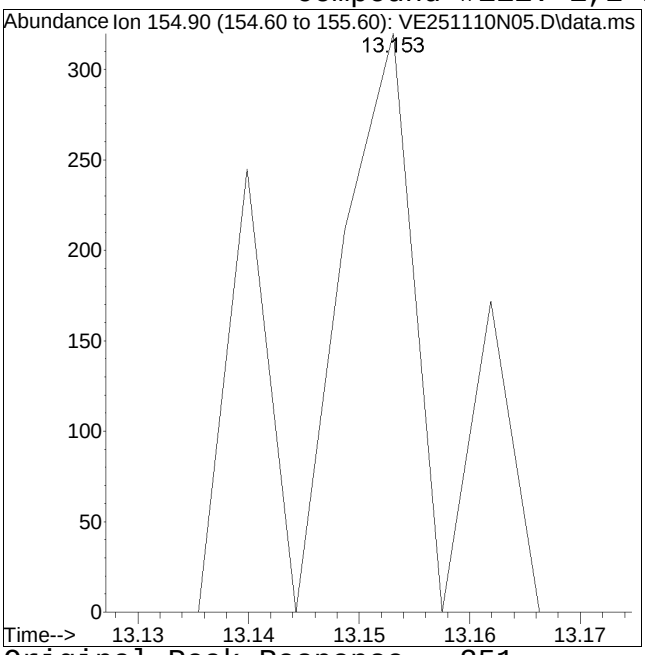
Manual Peak Response = 4647 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

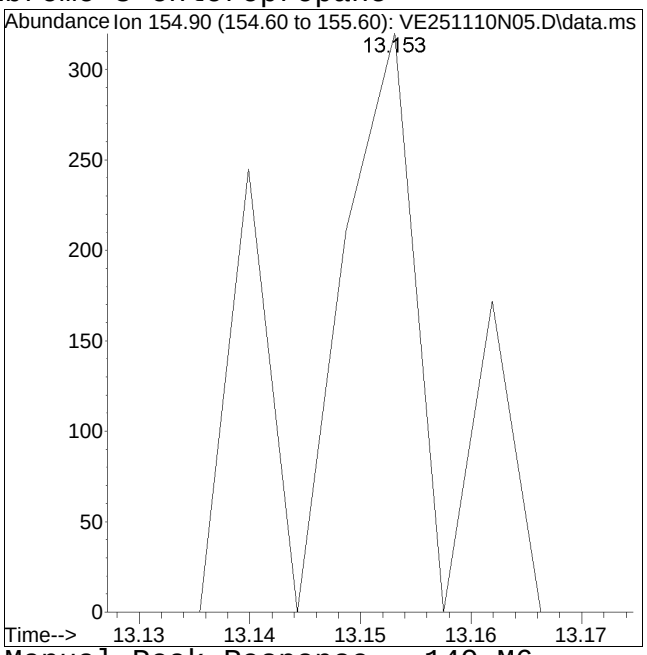
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #111: 1,2-Dibromo-3-chloropropane



Original Peak Response = 251



Manual Peak Response = 140 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N07.D
Acq On : 10 Nov 2025 10:53 pm
Operator : ELAINE:PID
Sample : I8260STD2PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 11 13:25:00 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.634	96	181091	10.000	ug/L	0.00
Standard Area 1 = 194422			Recovery = 93.14%			
63) Chlorobenzene-d5	9.127	117	148781	10.000	ug/L	0.00
Standard Area 1 = 153144			Recovery = 97.15%			
84) 1,4-Dichlorobenzene-d4	11.911	152	82825	10.000	ug/L	0.00
Standard Area 1 = 86422			Recovery = 95.84%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.843	113	53633	10.214	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.14%			
47) 1,2-Dichloroethane-d4	5.357	65	70310	9.958	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.58%			
64) Toluene-d8	7.306	98	197997	9.742	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.42%			
88) 4-Bromofluorobenzene	10.668	95	81394	10.312	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.12%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.468	85	13501	1.821	ug/L	97
3) Chloromethane	1.640	50	18075	1.974	ug/L	90
4) Vinyl chloride	1.708	62	14576	1.868	ug/L	97
5) Bromomethane	1.984	94	5035	1.884	ug/L	95
6) Chloroethane	2.093	64	8935	1.848	ug/L	98
7) Trichlorofluoromethane	2.225	101	17068	1.831	ug/L	91
8) Ethyl ether	2.496	74	4229	1.798	ug/L	81
10) 1,1-Dichloroethene	2.673	96	8281	1.746	ug/L	85
11) Carbon disulfide	2.705	76	30573	1.913	ug/L	99
12) Freon-113	2.718	101	7409	1.601	ug/L	97
13) Iodomethane	2.809	142	3541	1.624	ug/L #	89
14) Acrolein	2.967	56	1634	2.918	ug/L	90
15) Methylene chloride	3.203	84	11290	2.121	ug/L	97
17) Acetone	3.235	43	4129	2.412	ug/L #	72
18) trans-1,2-Dichloroethene	3.343	96	7831	1.801	ug/L	94
19) Methyl acetate	3.353	43	6258M6	2.224	ug/L	
21) Methyl tert-butyl ether	3.434	73	14712	1.791	ug/L #	92
22) tert-Butyl alcohol	3.534	59	2986M1	10.018	ug/L	
24) Diisopropyl ether	3.783	45	32503	1.745	ug/L	97
25) 1,1-Dichloroethane	3.910	63	22551	1.920	ug/L	96
26) Halothane	3.960	117	4743	1.664	ug/L	100

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N07.D
Acq On : 10 Nov 2025 10:53 pm
Operator : ELAINE:PID
Sample : I8260STD2PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 11 13:25:00 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.955	53	3647	2.226	ug/L		91
28) Ethyl tert-butyl ether	4.123	59	21561	1.761	ug/L		92
29) Vinyl acetate	4.136	43	19641	1.988	ug/L		100
30) cis-1,2-Dichloroethene	4.408	96	9031	1.787	ug/L		88
31) 2,2-Dichloropropane	4.503	77	12406	1.736	ug/L		85
33) Bromochloromethane	4.594	128	4980	2.201	ug/L		94
34) Cyclohexane	4.603	56	18026	1.599	ug/L		95
35) Chloroform	4.675	83	21419	2.302	ug/L		95
36) Ethyl acetate	4.784	43	6953	1.775	ug/L	#	95
37) Carbon tetrachloride	4.807	117	9252M6	1.635	ug/L		
38) Tetrahydrofuran	4.802	42	2985M6	1.961	ug/L		
40) 1,1,1-Trichloroethane	4.866	97	11676	1.670	ug/L		97
42) 2-Butanone	4.947	43	4029	2.041	ug/L	#	53
43) 1,1-Dichloropropene	4.979	75	8936	1.629	ug/L		96
45) Benzene	5.221	78	33204	1.857	ug/L		98
46) tert-Amyl methyl ether	5.335	73	15023	1.814	ug/L		94
48) 1,2-Dichloroethane	5.428	62	13667	1.987	ug/L		97
51) Methyl cyclohexane	5.796	83	10994	1.634	ug/L		98
52) Trichloroethene	5.809	95	7612	1.814	ug/L		96
54) Dibromomethane	6.248	93	4975	1.971	ug/L		94
55) 1,2-Dichloropropane	6.336	63	9582	1.815	ug/L		99
57) 2-Chloroethyl vinyl ether	7.034	63	3574	1.714	ug/L	#	93
58) Bromodichloromethane	6.432	83	10990	1.977	ug/L		100
61) 1,4-Dioxane	6.625	88	13578	414.158	ug/L		96
62) cis-1,3-Dichloropropene	7.108	75	10623	1.693	ug/L		88
65) Toluene	7.363	92	21646	1.856	ug/L		98
66) 4-Methyl-2-pentanone	7.810	58	2628	1.972	ug/L	#	1
67) Tetrachloroethene	7.801	166	6888	1.675	ug/L		94
69) trans-1,3-Dichloropropene	7.850	75	9501	1.691	ug/L		95
71) Ethyl methacrylate	8.043	69	7925	1.707	ug/L		93
72) 1,1,2-Trichloroethane	8.025	83	4865	1.799	ug/L		96
73) Chlorodibromomethane	8.236	129	6099	1.688	ug/L		94
74) 1,3-Dichloropropane	8.341	76	10966	1.780	ug/L		97
75) 1,2-Dibromoethane	8.512	107	5975	1.897	ug/L		94
77) 2-Hexanone	8.798	43	6456	1.957	ug/L		95
78) Chlorobenzene	9.149	112	24095	1.832	ug/L		95
79) Ethylbenzene	9.192	91	43647	1.740	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.236	131	6624	1.855	ug/L		96
81) p/m Xylene	9.377	106	34193	3.532	ug/L		96
82) o Xylene	9.925	106	34626	3.720	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N07.D
Acq On : 10 Nov 2025 10:53 pm
Operator : ELAINE:PID
Sample : I8260STD2PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 11 13:25:00 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.000	104	57995	3.780	ug/L		97
85) Bromoform	10.013	173	3958	2.034	ug/L		97
87) Isopropylbenzene	10.329	105	43636	1.737	ug/L		95
89) Bromobenzene	10.778	156	10117	2.007	ug/L		91
90) n-Propylbenzene	10.831	91	58825	1.853	ug/L		99
91) 1,4-Dichlorobutane	10.849	55	19372	2.039	ug/L		100
92) 1,1,2,2-Tetrachloroethane	10.924	83	9195	2.099	ug/L		96
93) 4-Ethyltoluene	10.963	105	46227	1.859	ug/L		97
94) 2-Chlorotoluene	11.003	91	36306M1	1.881	ug/L		
95) 1,3,5-Trimethylbenzene	11.069	105	39273	1.826	ug/L		99
96) 1,2,3-Trichloropropane	11.065	75	7679M6	2.036	ug/L		
97) trans-1,4-Dichloro-2-b...	11.126	53	3749	1.946	ug/L		88
98) 4-Chlorotoluene	11.193	91	36259	1.871	ug/L		100
99) tert-Butylbenzene	11.413	119	31806	1.746	ug/L		97
102) 1,2,4-Trimethylbenzene	11.501	105	37681	1.743	ug/L		99
103) sec-Butylbenzene	11.611	105	48961	1.742	ug/L		98
104) p-Isopropyltoluene	11.774	119	40010	1.751	ug/L		99
105) 1,3-Dichlorobenzene	11.831	146	21327	1.902	ug/L		100
106) 1,4-Dichlorobenzene	11.928	146	21567	1.953	ug/L		98
107) p-Diethylbenzene	12.153	119	22037	1.606	ug/L		94
108) n-Butylbenzene	12.210	91	37834	1.650	ug/L		97
109) 1,2-Dichlorobenzene	12.360	146	19459	1.832	ug/L		95
110) 1,2,4,5-Tetramethylben...	12.959	119	33475	1.549	ug/L		98
111) 1,2-Dibromo-3-chloropr...	13.149	155	1099	1.681	ug/L	#	77
112) 1,3,5-Trichlorobenzene	13.175	180	13108	1.903	ug/L		94
113) Hexachlorobutadiene	13.757	225	2814	1.604	ug/L		92
114) 1,2,4-Trichlorobenzene	13.783	180	9580	1.710	ug/L		97
115) Naphthalene	14.069	128	21912	1.605	ug/L		100
116) 1,2,3-Trichlorobenzene	14.241	180	8341	1.774	ug/L		96

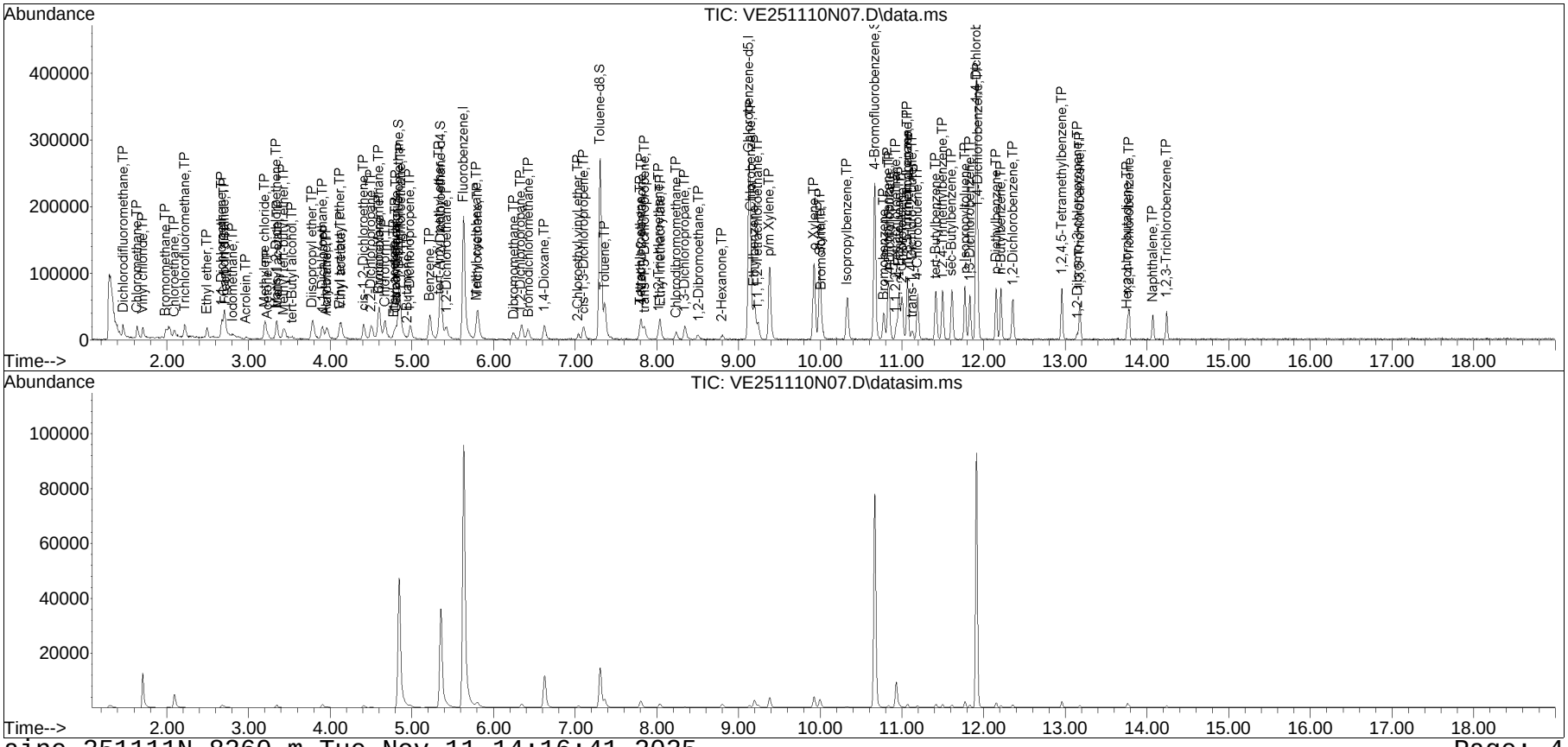
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N07.D
Acq On : 10 Nov 2025 10:53 pm
Operator : ELAINE:PID
Sample : I8260STD2PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 11 13:25:00 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

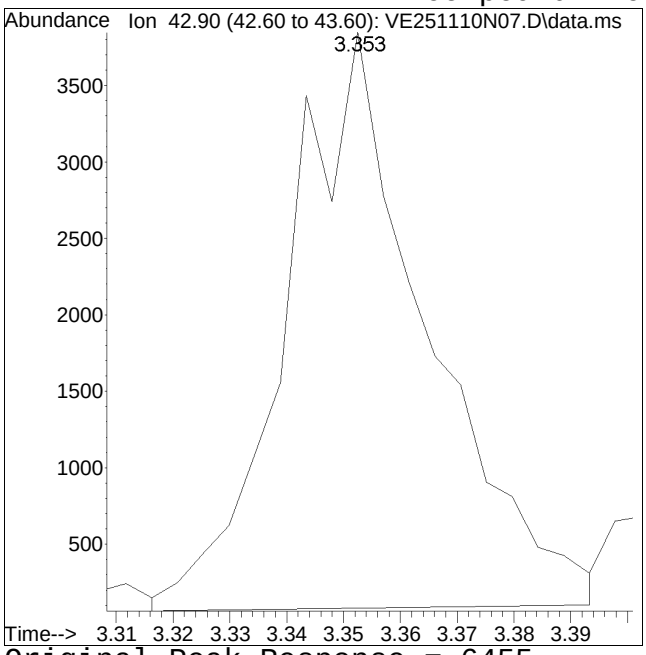
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



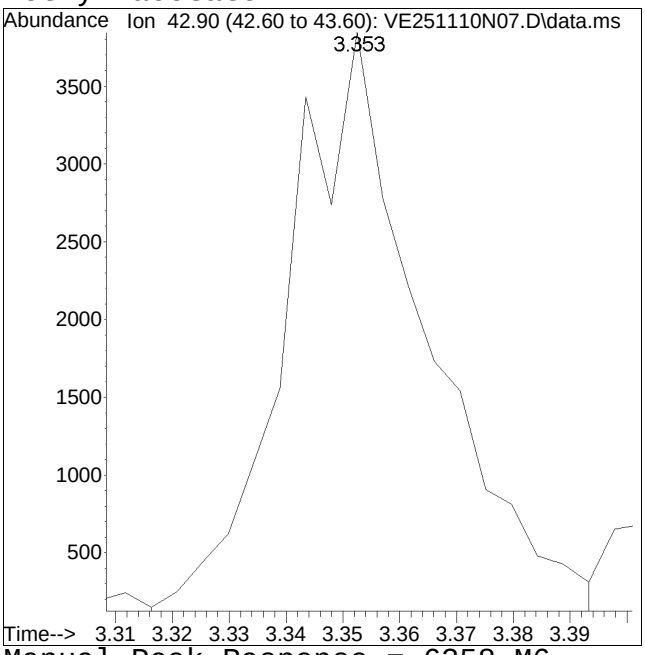
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N07.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:53 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/11/2025 1:18 pm

Compound #19: Methyl acetate



Original Peak Response = 6455



Manual Peak Response = 6258 M6

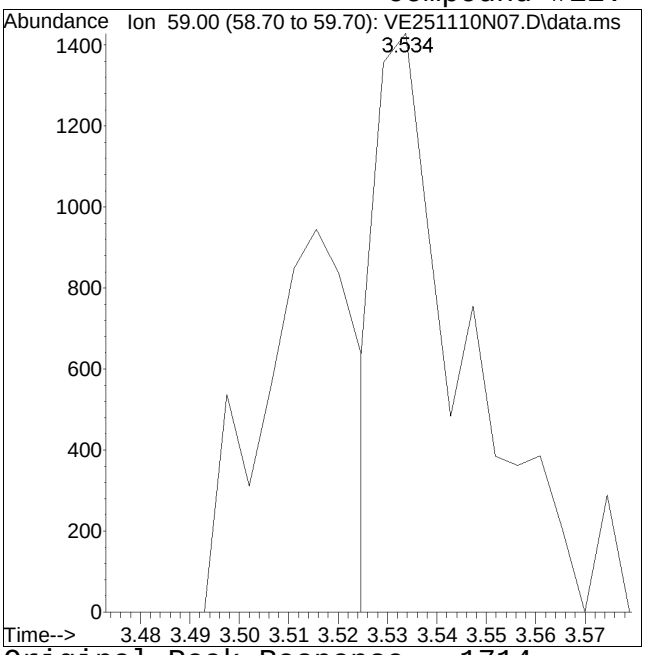
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

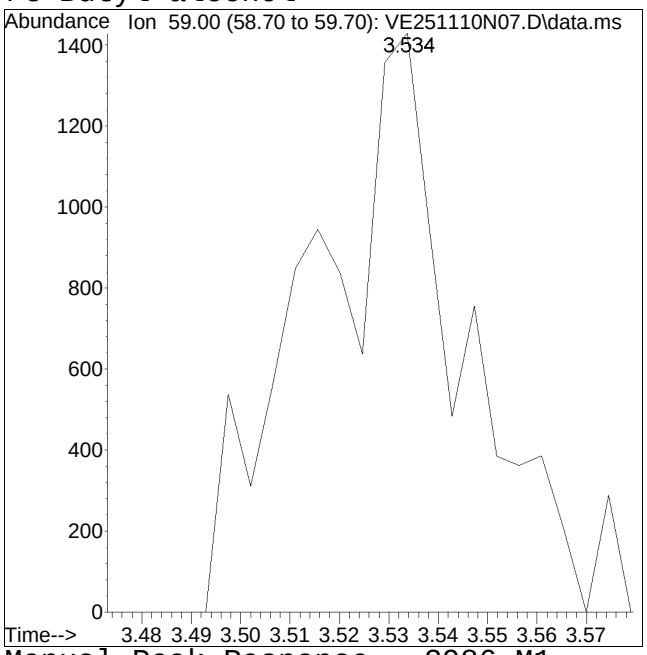
Data Path : K:\Elaine\2025\251110NICALQ
Data File : VE251110N07.D
Date Inj'd : 11/10/2025 10:53 pm
Sample : I8260STD2PPB

Method : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 11/11/2025 1:18 pm

Compound #22: tert-Butyl alcohol



Original Peak Response = 1714



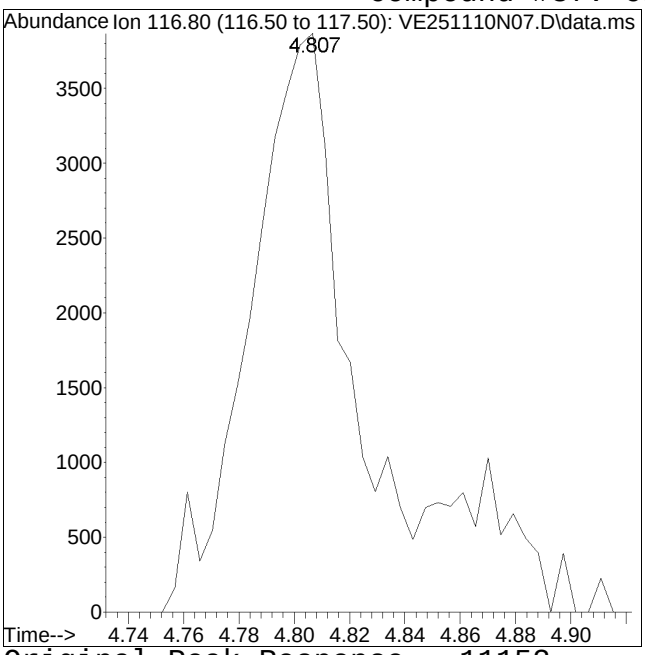
Manual Peak Response = 2986 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

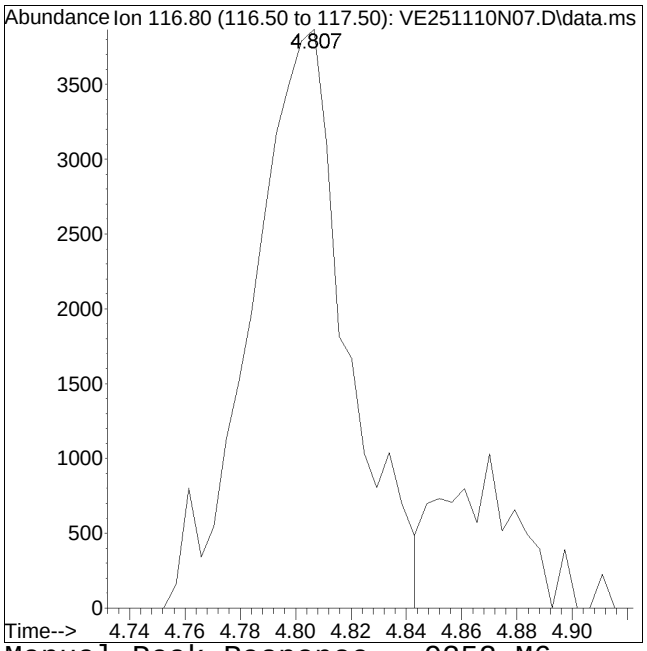
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N07.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:53 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/11/2025 1:18 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 11152



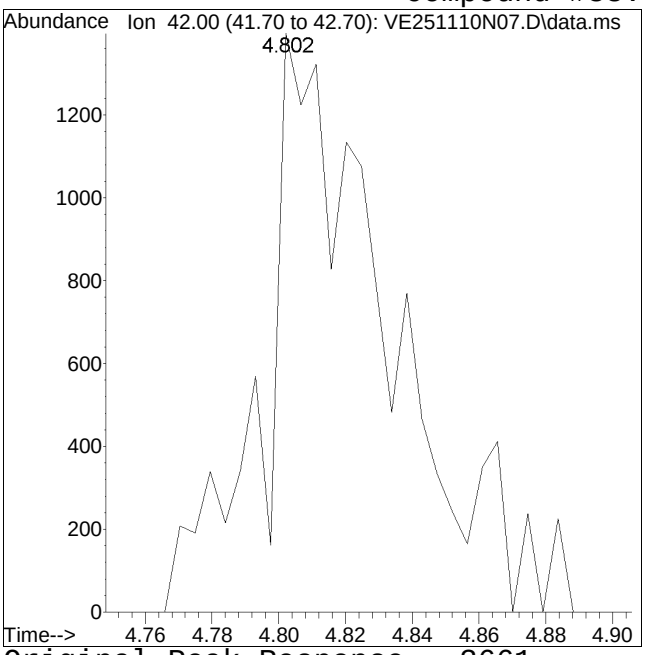
Manual Peak Response = 9252 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

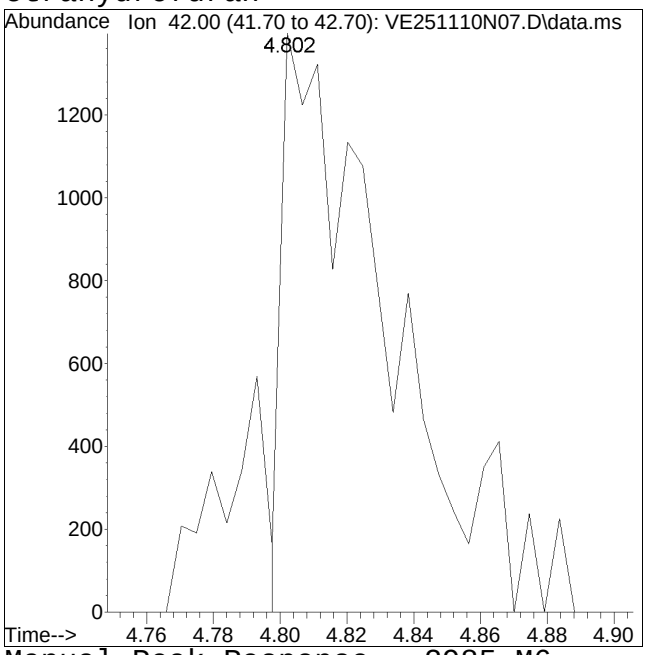
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N07.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:53 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/11/2025 1:18 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 3661



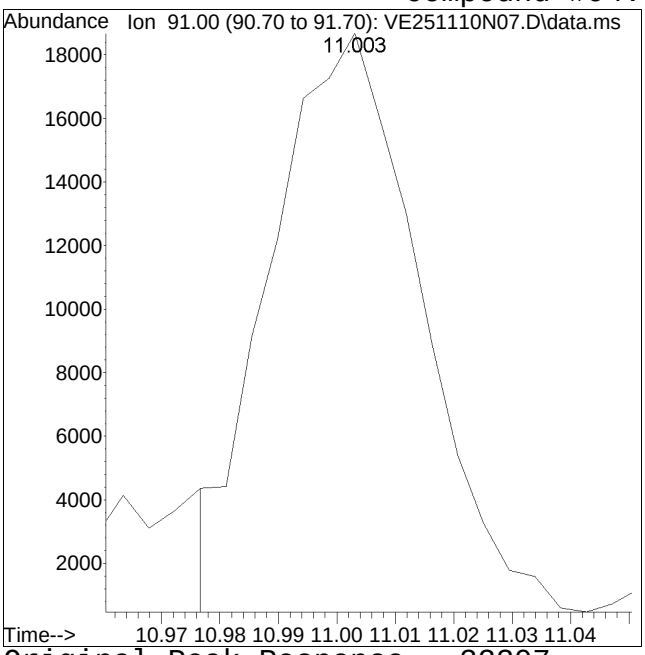
Manual Peak Response = 2985 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

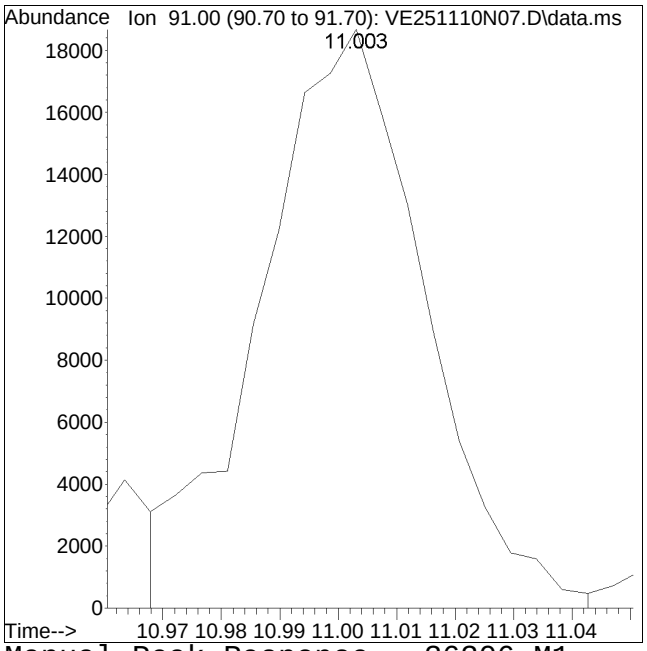
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N07.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:53 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/11/2025 1:18 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 32307



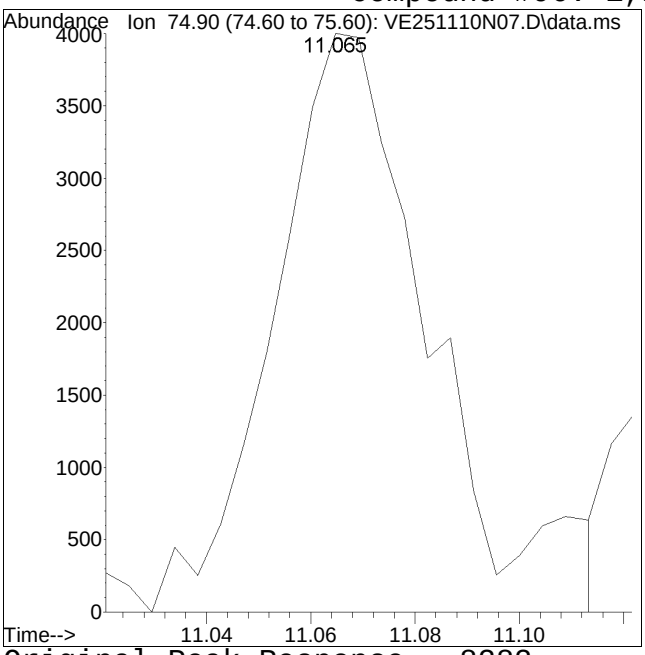
Manual Peak Response = 36306 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

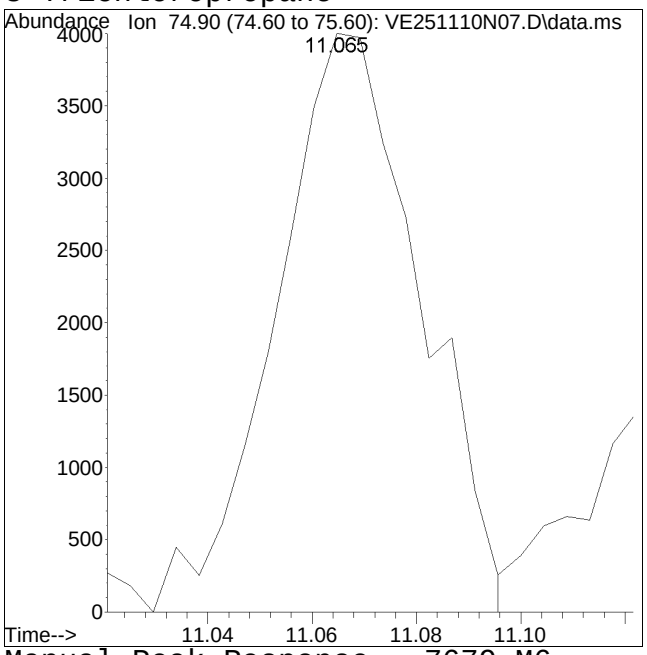
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N07.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:53 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/11/2025 1:18 pm

Compound #96: 1,2,3-Trichloropropane



Original Peak Response = 8282



Manual Peak Response = 7679 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N09.D
Acq On : 10 Nov 2025 11:42 pm
Operator : ELAINE:PID
Sample : I8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 13:17:51 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:15:48 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.634	96	194422	10.000	ug/L	0.00
Standard Area 1 = 194422			Recovery = 100.00%			
63) Chlorobenzene-d5	9.131	117	153144	10.000	ug/L	0.00
Standard Area 1 = 153144			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	11.911	152	86422	10.000	ug/L	0.00
Standard Area 1 = 86422			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.843	113	56374	10.009	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.09%			
47) 1,2-Dichloroethane-d4	5.353	65	75805	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
64) Toluene-d8	7.306	98	209211	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
88) 4-Bromofluorobenzene	10.664	95	82356	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.468	85	79620	10.000	ug/L	100
3) Chloromethane	1.635	50	98327	10.000	ug/L	100
4) Vinyl chloride	1.703	62	83772	10.000	ug/L	100
5) Bromomethane	1.984	94	28686	10.000	ug/L	100
6) Chloroethane	2.093	64	51912	10.000	ug/L	100
7) Trichlorofluoromethane	2.220	101	100082	10.000	ug/L	100
8) Ethyl ether	2.492	74	25251	10.000	ug/L	100
10) 1,1-Dichloroethene	2.677	96	50926	10.000	ug/L	100
11) Carbon disulfide	2.704	76	171584	10.000	ug/L	100
12) Freon-113	2.714	101	49694	10.012	ug/L	100
13) Iodomethane	2.809	142	23416	10.000	ug/L	99
14) Acrolein	2.981	56	6011	10.000	ug/L	100
15) Methylene chloride	3.203	84	57157	10.000	ug/L	100
17) Acetone	3.235	43	18378M6	10.000	ug/L	
18) trans-1,2-Dichloroethene	3.348	96	46689	10.000	ug/L	100
19) Methyl acetate	3.352	43	30210M6	10.000	ug/L	
21) Methyl tert-butyl ether	3.443	73	88215	10.000	ug/L #	100
22) tert-Butyl alcohol	3.529	59	16000	50.000	ug/L #	100
24) Diisopropyl ether	3.792	45	200030	10.023	ug/L	100
25) 1,1-Dichloroethane	3.909	63	126094	10.000	ug/L	100
26) Halothane	3.968	117	30594	10.000	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N09.D
Acq On : 10 Nov 2025 11:42 pm
Operator : ELAINE:PID
Sample : I8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 13:17:51 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:15:48 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	3.946	53	17587	10.000	ug/L	100
28) Ethyl tert-butyl ether	4.127	59	131438	10.000	ug/L	100
29) Vinyl acetate	4.131	43	106061	10.014	ug/L	100
30) cis-1,2-Dichloroethene	4.412	96	54256	9.992	ug/L	100
31) 2,2-Dichloropropane	4.503	77	76717	10.000	ug/L	100
33) Bromochloromethane	4.598	128	24294	10.000	ug/L	100
34) Cyclohexane	4.603	56	121029	10.000	ug/L	100
35) Chloroform	4.671	83	99891	10.000	ug/L	100
36) Ethyl acetate	4.779	43	42057	10.015	ug/L	100
37) Carbon tetrachloride	4.797	117	60740M6	10.000	ug/L	
38) Tetrahydrofuran	4.802	42	16340M4	10.000	ug/L	
40) 1,1,1-Trichloroethane	4.861	97	75062	10.000	ug/L	100
42) 2-Butanone	4.951	43	21191	10.000	ug/L	100
43) 1,1-Dichloropropene	4.983	75	58887	10.000	ug/L	100
45) Benzene	5.226	78	191916	10.008	ug/L	100
46) tert-Amyl methyl ether	5.335	73	88900	10.020	ug/L	100
48) 1,2-Dichloroethane	5.427	62	73833	10.000	ug/L	100
51) Methyl cyclohexane	5.796	83	72243	10.000	ug/L	100
52) Trichloroethene	5.814	95	45059	10.000	ug/L	100
54) Dibromomethane	6.239	93	27100	10.000	ug/L	100
55) 1,2-Dichloropropane	6.345	63	56672	10.000	ug/L	100
57) 2-Chloroethyl vinyl ether	7.042	63	22393	10.000	ug/L	100
58) Bromodichloromethane	6.428	83	59686	10.000	ug/L	100
61) 1,4-Dioxane	6.621	88	17599	498.386	ug/L	100
62) cis-1,3-Dichloropropene	7.104	75	67351	10.000	ug/L	100
65) Toluene	7.363	92	120061	10.004	ug/L	100
66) 4-Methyl-2-pentanone	7.793	58	13716	10.000	ug/L	100
67) Tetrachloroethene	7.806	166	42317	9.987	ug/L	100
69) trans-1,3-Dichloropropene	7.850	75	57823	10.000	ug/L	100
71) Ethyl methacrylate	8.038	69	47783	10.000	ug/L	100
72) 1,1,2-Trichloroethane	8.030	83	27838	10.000	ug/L	100
73) Chlorodibromomethane	8.231	129	37190	9.900	ug/L	99
74) 1,3-Dichloropropane	8.345	76	63419	10.000	ug/L	100
75) 1,2-Dibromoethane	8.508	107	32424	10.000	ug/L	100
77) 2-Hexanone	8.793	43	33962	10.000	ug/L	100
78) Chlorobenzene	9.153	112	135345	10.000	ug/L	100
79) Ethylbenzene	9.192	91	258149	10.000	ug/L	100
80) 1,1,1,2-Tetrachloroethane	9.241	131	36753	10.000	ug/L	100
81) p/m Xylene	9.381	106	199282	20.000	ug/L	100
82) o Xylene	9.921	106	191596	20.006	ug/L	100

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N09.D
Acq On : 10 Nov 2025 11:42 pm
Operator : ELAINE:PID
Sample : I8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 13:17:51 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:15:48 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	9.995	104	315831	20.000	ug/L	100
85) Bromoform	10.022	173	20305	10.000	ug/L	100
87) Isopropylbenzene	10.329	105	262113	9.974	ug/L	100
89) Bromobenzene	10.774	156	52591	9.989	ug/L	100
90) n-Propylbenzene	10.831	91	331326	10.046	ug/L	100
91) 1,4-Dichlorobutane	10.849	55	99130	10.000	ug/L	100
92) 1,1,2,2-Tetrachloroethane	10.928	83	45711	10.000	ug/L	100
93) 4-Ethyltoluene	10.968	105	259454	10.000	ug/L	100
94) 2-Chlorotoluene	11.003	91	201365M6	10.000	ug/L	
95) 1,3,5-Trimethylbenzene	11.069	105	224418	10.000	ug/L	100
96) 1,2,3-Trichloropropane	11.069	75	39358	10.000	ug/L	100
97) trans-1,4-Dichloro-2-b...	11.122	53	20101	10.000	ug/L	100
98) 4-Chlorotoluene	11.188	91	202227	10.000	ug/L	100
99) tert-Butylbenzene	11.417	119	190055	10.000	ug/L	100
102) 1,2,4-Trimethylbenzene	11.496	105	225559	10.000	ug/L	100
103) sec-Butylbenzene	11.611	105	293218	9.997	ug/L	100
104) p-Isopropyltoluene	11.770	119	238369	10.000	ug/L	100
105) 1,3-Dichlorobenzene	11.831	146	116978	10.000	ug/L	100
106) 1,4-Dichlorobenzene	11.928	146	115241	10.000	ug/L	100
107) p-Diethylbenzene	12.153	119	143162	10.000	ug/L	100
108) n-Butylbenzene	12.210	91	239286	9.997	ug/L	100
109) 1,2-Dichlorobenzene	12.356	146	110860	10.000	ug/L	100
110) 1,2,4,5-Tetramethylben...	12.955	119	225500	9.997	ug/L	100
111) 1,2-Dibromo-3-chloropr...	13.149	155	6823	10.000	ug/L	100
112) 1,3,5-Trichlorobenzene	13.175	180	71884	10.000	ug/L	100
113) Hexachlorobutadiene	13.761	225	18303	10.000	ug/L	100
114) 1,2,4-Trichlorobenzene	13.779	180	58466	10.000	ug/L	100
115) Naphthalene	14.069	128	142468	10.000	ug/L	100
116) 1,2,3-Trichlorobenzene	14.237	180	49063	10.000	ug/L	100

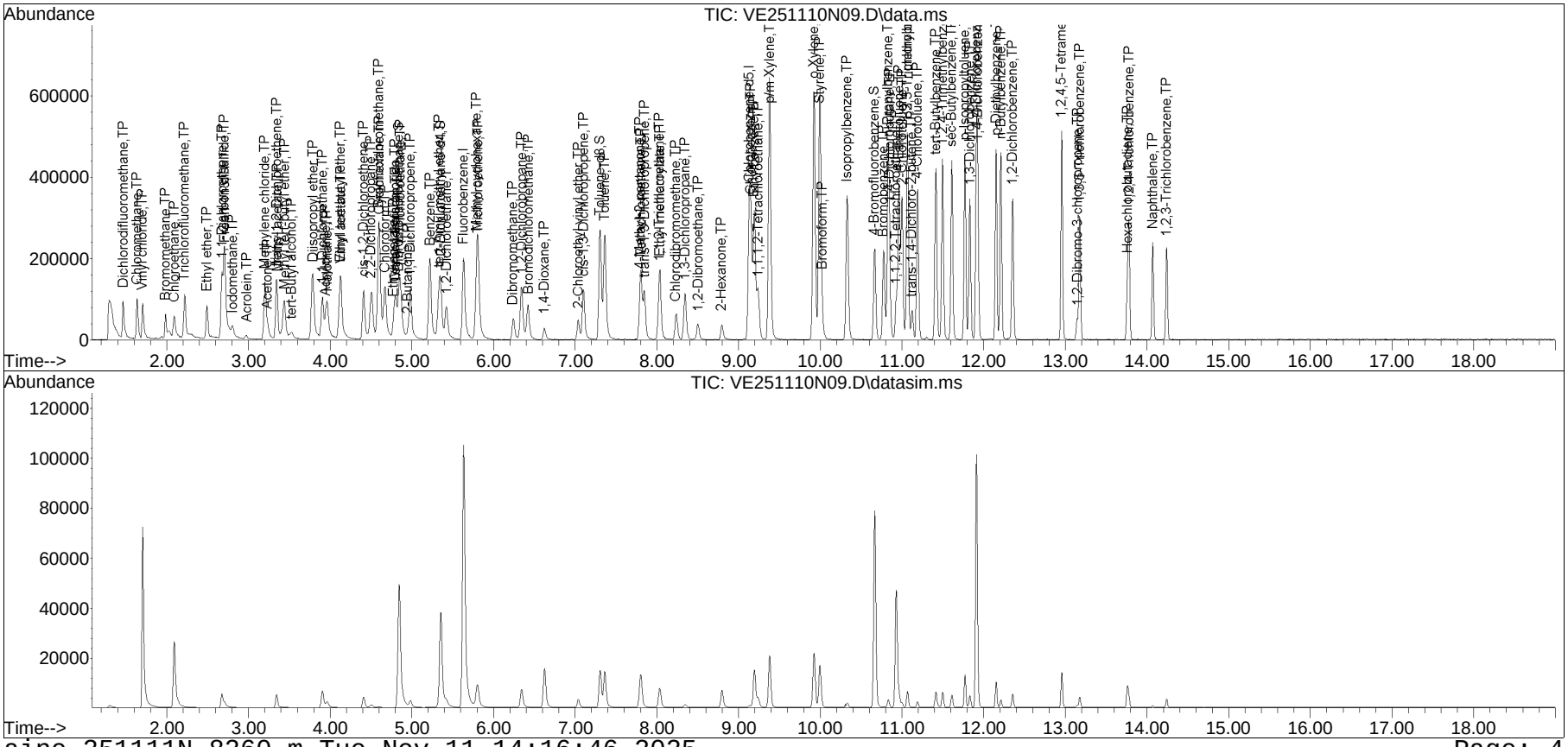
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N09.D
Acq On : 10 Nov 2025 11:42 pm
Operator : ELAINE:PID
Sample : I8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 13:17:51 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:15:48 2025
Response via : Initial Calibration

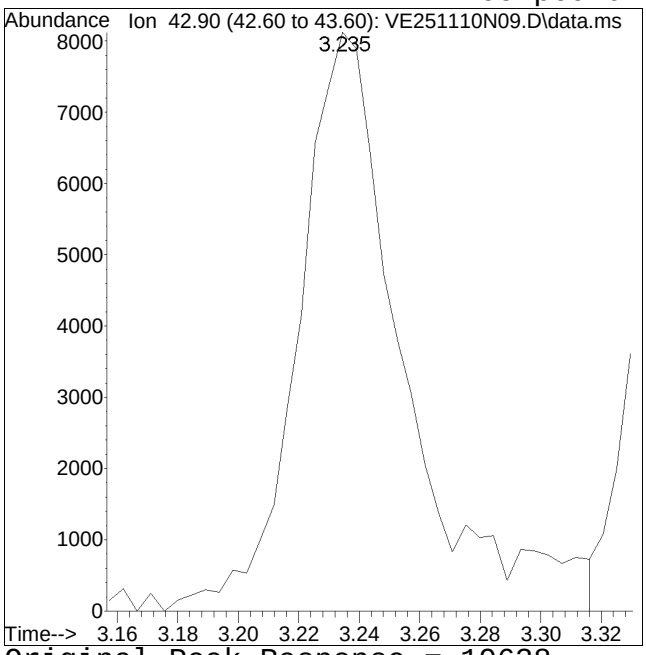
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



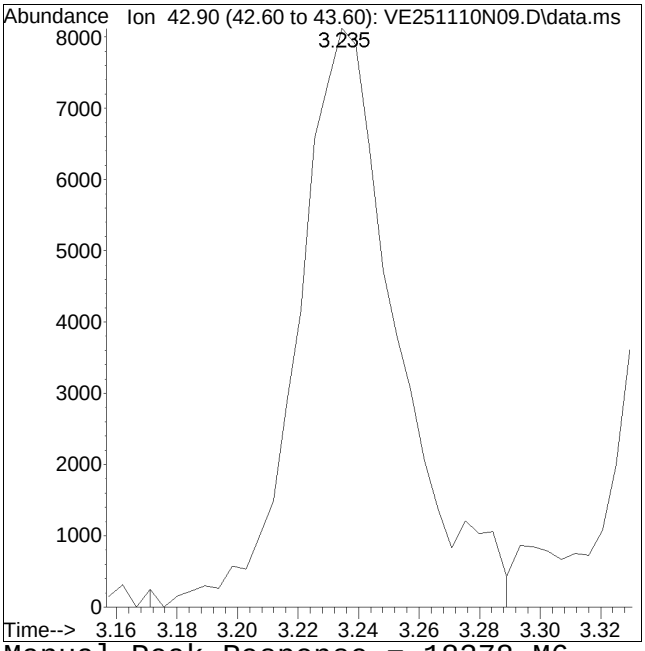
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N09.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 11:42 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/11/2025 1:17 pm

Compound #17: Acetone



Original Peak Response = 19638



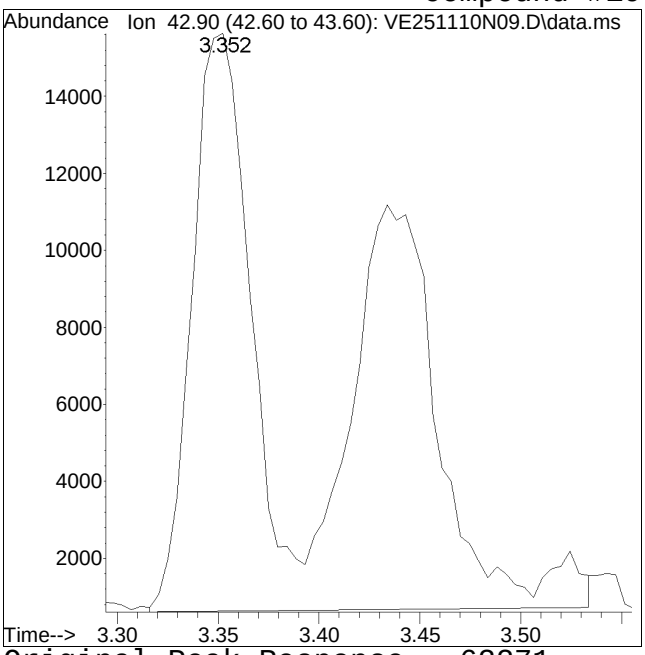
Manual Peak Response = 18378 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

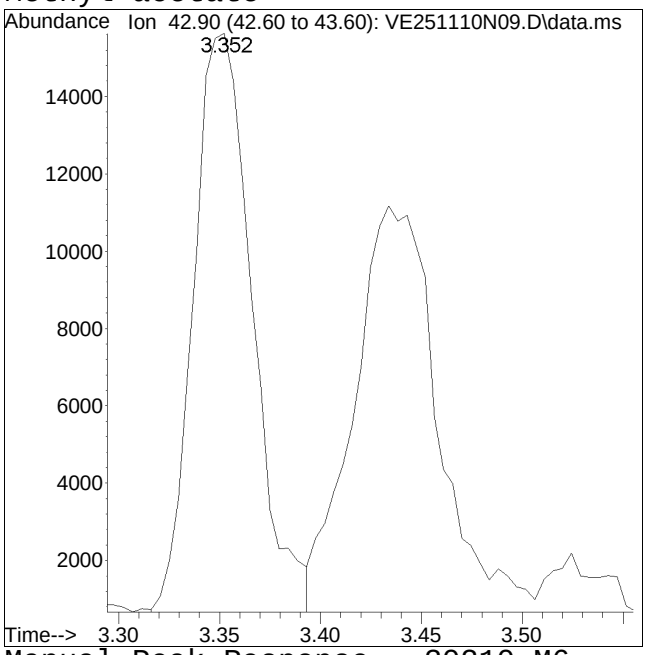
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N09.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 11:42 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/11/2025 1:17 pm

Compound #19: Methyl acetate



Original Peak Response = 62271



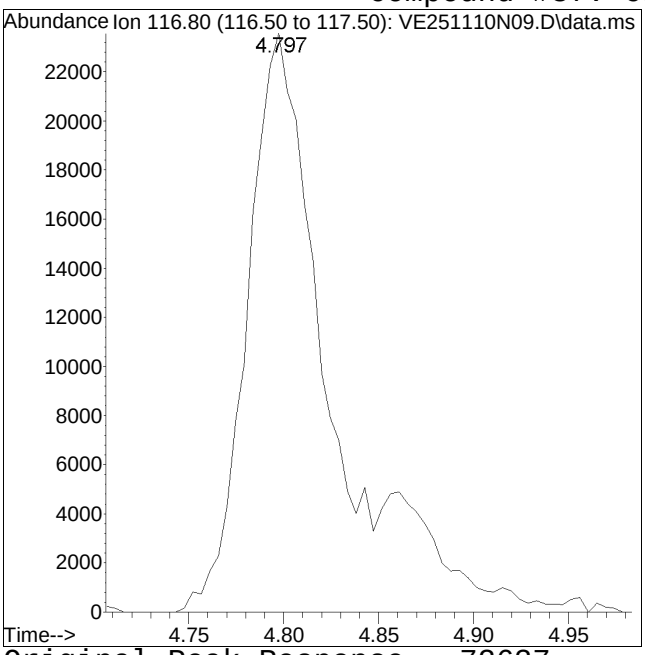
Manual Peak Response = 30210 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

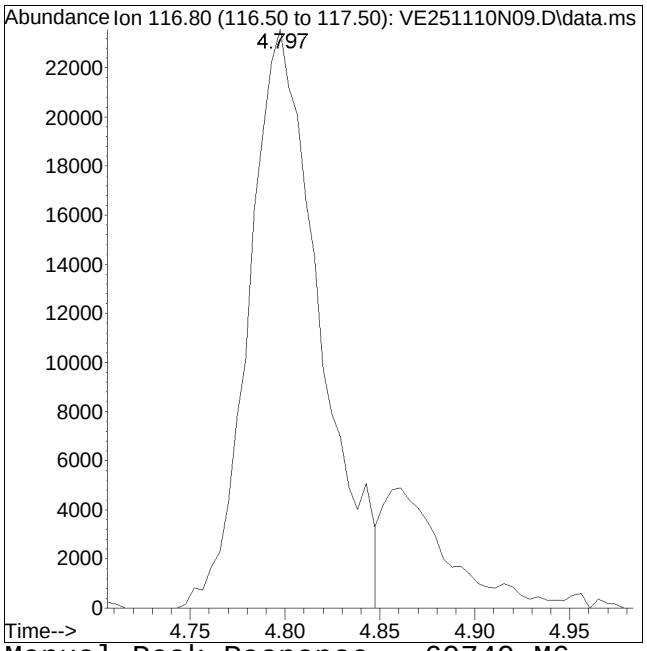
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N09.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 11:42 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/11/2025 1:17 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 72637



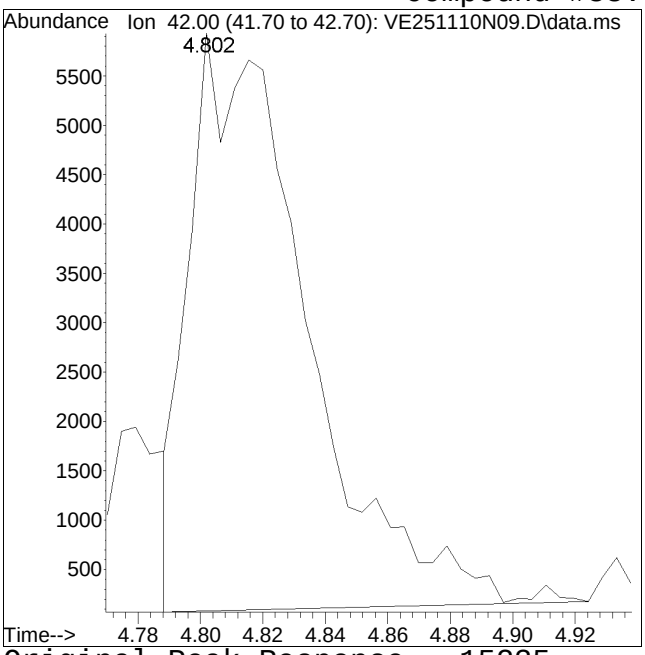
Manual Peak Response = 60740 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

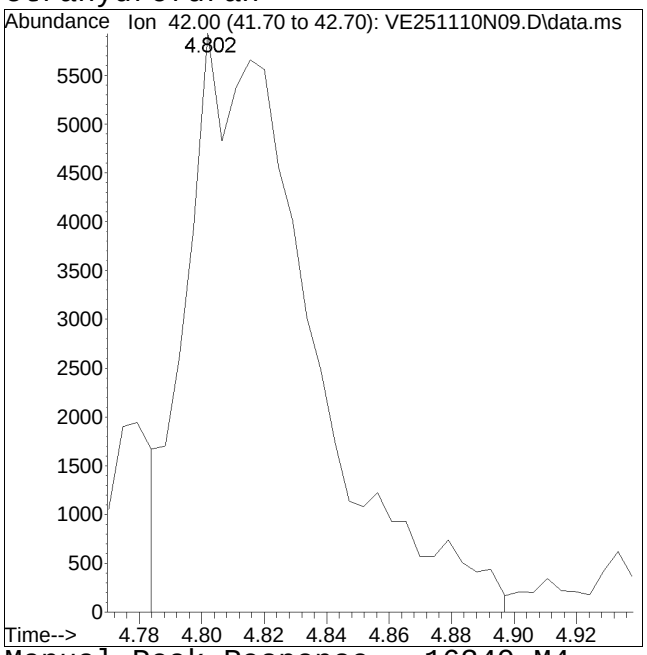
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N09.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 11:42 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/11/2025 1:17 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 15235



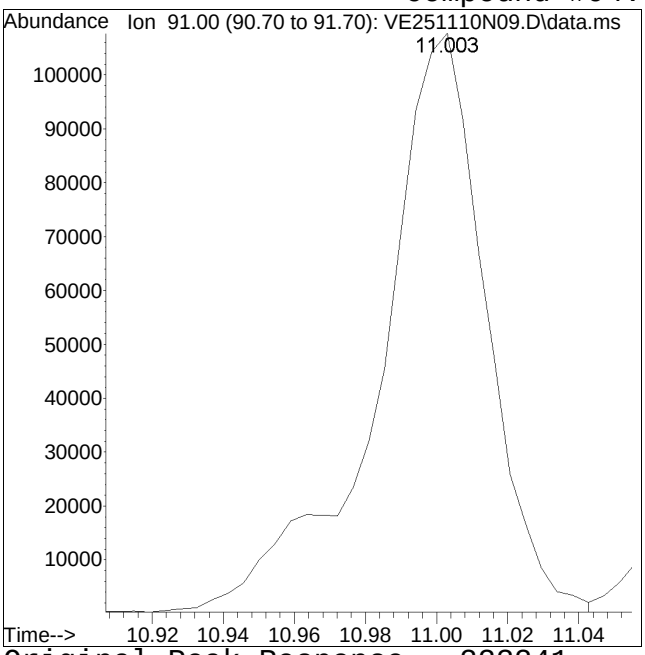
Manual Peak Response = 16340 M4

M4 = Poor automated baseline construction.

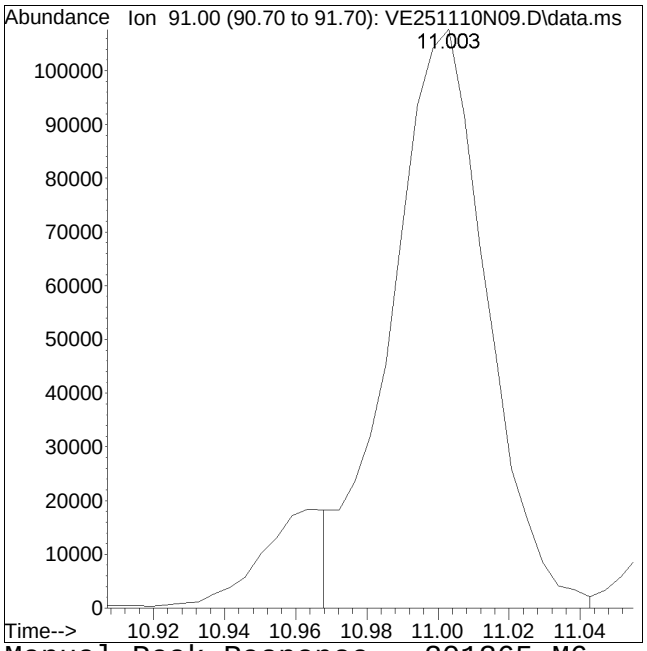
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N09.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 11:42 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/11/2025 1:17 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 223241



Manual Peak Response = 201365 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N10.D
Acq On : 11 Nov 2025 12:06 am
Operator : ELAINE:PID
Sample : I8260STD30PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 12 11:45:28 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.634	96	215474M6	10.000	ug/L	0.00
Standard Area 1 = 194422			Recovery = 110.83%			
63) Chlorobenzene-d5	9.131	117	163526	10.000	ug/L	0.00
Standard Area 1 = 153144			Recovery = 106.78%			
84) 1,4-Dichlorobenzene-d4	11.911	152	92062	10.000	ug/L	0.00
Standard Area 1 = 86422			Recovery = 106.53%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.843	113	57660	9.229	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.29%			
47) 1,2-Dichloroethane-d4	5.357	65	90332	10.752	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.52%			
64) Toluene-d8	7.301	98	221884	9.932	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.32%			
88) 4-Bromofluorobenzene	10.668	95	84352	9.615	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.15%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.468	85	226655	25.686	ug/L	98
3) Chloromethane	1.640	50	292724	26.862	ug/L	96
4) Vinyl chloride	1.703	62	238564	25.695	ug/L	99
5) Bromomethane	1.984	94	97506	30.670	ug/L	98
6) Chloroethane	2.088	64	159431	27.711	ug/L	96
7) Trichlorofluoromethane	2.220	101	277260	24.997	ug/L	97
8) Ethyl ether	2.492	74	84930	30.348	ug/L	95
10) 1,1-Dichloroethene	2.677	96	157082	27.832	ug/L	97
11) Carbon disulfide	2.705	76	502138	26.406	ug/L	100
12) Freon-113	2.709	101	150009	27.237	ug/L	95
13) Iodomethane	2.809	142	100116	38.578	ug/L	95
14) Acrolein	2.976	56	26565	39.876	ug/L	81
15) Methylene chloride	3.203	84	171434	27.063	ug/L	96
17) Acetone	3.239	43	54677	26.845	ug/L #	91
18) trans-1,2-Dichloroethene	3.348	96	151947	29.365	ug/L	98
19) Methyl acetate	3.352	43	101144M6	30.209	ug/L	
21) Methyl tert-butyl ether	3.438	73	328277	33.578	ug/L #	97
22) tert-Butyl alcohol	3.534	59	52318	147.520	ug/L #	100
24) Diisopropyl ether	3.787	45	724093	32.663	ug/L	98
25) 1,1-Dichloroethane	3.905	63	392637	28.096	ug/L	99
26) Halothane	3.964	117	103690	30.581	ug/L	99

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N10.D
Acq On : 11 Nov 2025 12:06 am
Operator : ELAINE:PID
Sample : I8260STD30PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 12 11:45:28 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.946	53	61305	31.452	ug/L		95
28) Ethyl tert-butyl ether	4.127	59	488077	33.506	ug/L		92
29) Vinyl acetate	4.132	43	449426	38.234	ug/L		100
30) cis-1,2-Dichloroethene	4.412	96	177403	29.503	ug/L		99
31) 2,2-Dichloropropane	4.508	77	263844	31.032	ug/L	#	89
33) Bromochloromethane	4.598	128	74639	27.722	ug/L		97
34) Cyclohexane	4.603	56	396146	29.534	ug/L		100
35) Chloroform	4.671	83	301029	27.191	ug/L		99
36) Ethyl acetate	4.779	43	151077	32.412	ug/L	#	97
37) Carbon tetrachloride	4.797	117	198542M6	29.494	ug/L		
38) Tetrahydrofuran	4.811	42	55501M6	30.648	ug/L		
40) 1,1,1-Trichloroethane	4.861	97	250781	30.146	ug/L		98
42) 2-Butanone	4.947	43	72607	30.916	ug/L		98
43) 1,1-Dichloropropene	4.979	75	214994	32.943	ug/L		99
45) Benzene	5.221	78	647068	30.422	ug/L		99
46) tert-Amyl methyl ether	5.335	73	332594	33.757	ug/L		96
48) 1,2-Dichloroethane	5.423	62	254315	31.079	ug/L		99
51) Methyl cyclohexane	5.796	83	259336	32.390	ug/L		94
52) Trichloroethene	5.809	95	153309	30.700	ug/L		98
54) Dibromomethane	6.244	93	92414	30.769	ug/L		98
55) 1,2-Dichloropropane	6.345	63	201807	32.131	ug/L		100
57) 2-Chloroethyl vinyl ether	7.038	63	83925	33.817	ug/L		99
58) Bromodichloromethane	6.419	83	222869	33.692	ug/L		95
61) 1,4-Dioxane	6.630	88	24193	620.186	ug/L		96
62) cis-1,3-Dichloropropene	7.104	75	252952	33.888	ug/L		99
65) Toluene	7.363	92	379867	29.631	ug/L		99
66) 4-Methyl-2-pentanone	7.797	58	47670	32.548	ug/L		98
67) Tetrachloroethene	7.806	166	132992	29.432	ug/L		99
69) trans-1,3-Dichloropropene	7.845	75	212743	34.456	ug/L		100
71) Ethyl methacrylate	8.034	69	164412	32.224	ug/L		99
72) 1,1,2-Trichloroethane	8.030	83	98815	33.243	ug/L		98
73) Chlorodibromomethane	8.236	129	133538	33.627	ug/L		98
74) 1,3-Dichloropropane	8.341	76	220578	32.573	ug/L		99
75) 1,2-Dibromoethane	8.499	107	114145	32.969	ug/L		97
77) 2-Hexanone	8.797	43	116292	32.068	ug/L		98
78) Chlorobenzene	9.153	112	424203	29.352	ug/L		99
79) Ethylbenzene	9.192	91	815669	29.591	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.241	131	129363	32.963	ug/L		98
81) p/m Xylene	9.377	106	602120	56.592	ug/L		95
82) o Xylene	9.925	106	604042	59.051	ug/L		100

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N10.D
Acq On : 11 Nov 2025 12:06 am
Operator : ELAINE:PID
Sample : I8260STD30PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 12 11:45:28 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	9.995	104	1042649	61.834	ug/L	99
85) Bromoform	10.022	173	80165	37.062	ug/L	98
87) Isopropylbenzene	10.329	105	848446	30.386	ug/L	99
89) Bromobenzene	10.778	156	166199	29.666	ug/L	99
90) n-Propylbenzene	10.831	91	1069288	30.296	ug/L	99
91) 1,4-Dichlorobutane	10.844	55	336042	31.822	ug/L	98
92) 1,1,2,2-Tetrachloroethane	10.928	83	152955	31.411	ug/L	99
93) 4-Ethyltoluene	10.968	105	830874	30.062	ug/L	100
94) 2-Chlorotoluene	11.003	91	609668M6	28.422	ug/L	
95) 1,3,5-Trimethylbenzene	11.069	105	742407	31.055	ug/L	100
96) 1,2,3-Trichloropropane	11.065	75	132229	31.538	ug/L	99
97) trans-1,4-Dichloro-2-b...	11.122	53	69591	32.500	ug/L	93
98) 4-Chlorotoluene	11.193	91	642471	29.823	ug/L	99
99) tert-Butylbenzene	11.417	119	605767	29.921	ug/L	99
102) 1,2,4-Trimethylbenzene	11.496	105	739607	30.781	ug/L	99
103) sec-Butylbenzene	11.611	105	929738	29.766	ug/L	100
104) p-Isopropyltoluene	11.774	119	791484	31.170	ug/L	99
105) 1,3-Dichlorobenzene	11.831	146	382513	30.696	ug/L	99
106) 1,4-Dichlorobenzene	11.928	146	369310	30.083	ug/L	100
107) p-Diethylbenzene	12.153	119	466382	30.581	ug/L	98
108) n-Butylbenzene	12.210	91	781413	30.655	ug/L	99
109) 1,2-Dichlorobenzene	12.356	146	361762	30.633	ug/L	99
110) 1,2,4,5-Tetramethylben...	12.955	119	738685	30.751	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.144	155	21787	29.975	ug/L	94
112) 1,3,5-Trichlorobenzene	13.179	180	234096	30.571	ug/L	98
113) Hexachlorobutadiene	13.761	225	59028	30.275	ug/L	95
114) 1,2,4-Trichlorobenzene	13.779	180	191220	30.703	ug/L	99
115) Naphthalene	14.069	128	493622	32.525	ug/L	100
116) 1,2,3-Trichlorobenzene	14.241	180	168125	32.168	ug/L	97

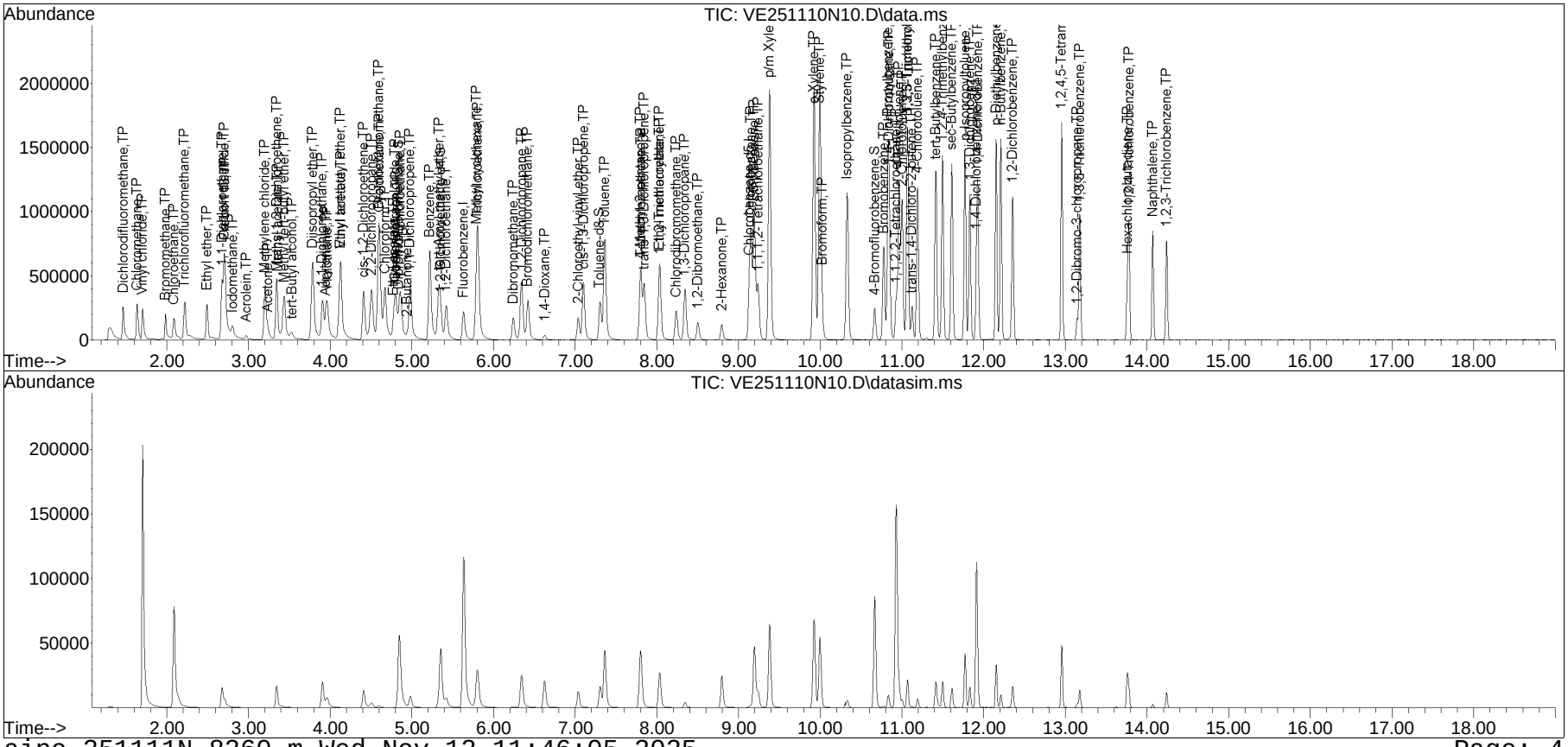
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N10.D
Acq On : 11 Nov 2025 12:06 am
Operator : ELAINE:PID
Sample : I8260STD30PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 12 11:45:28 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

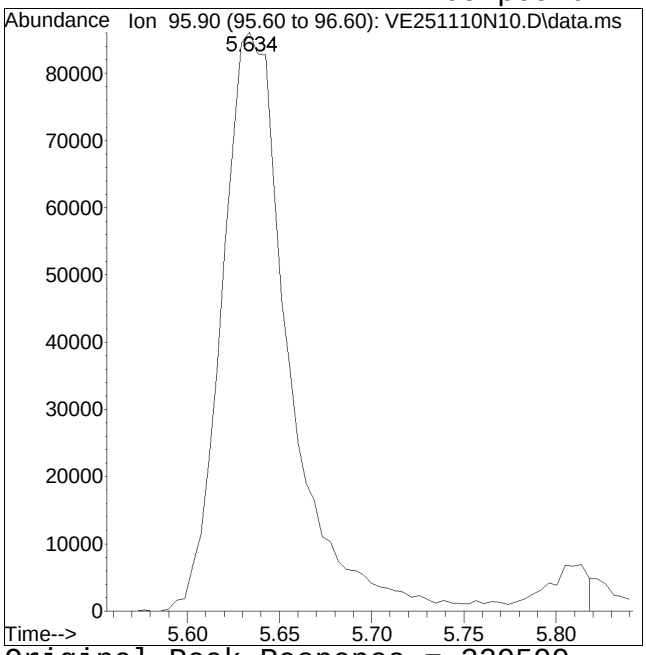
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



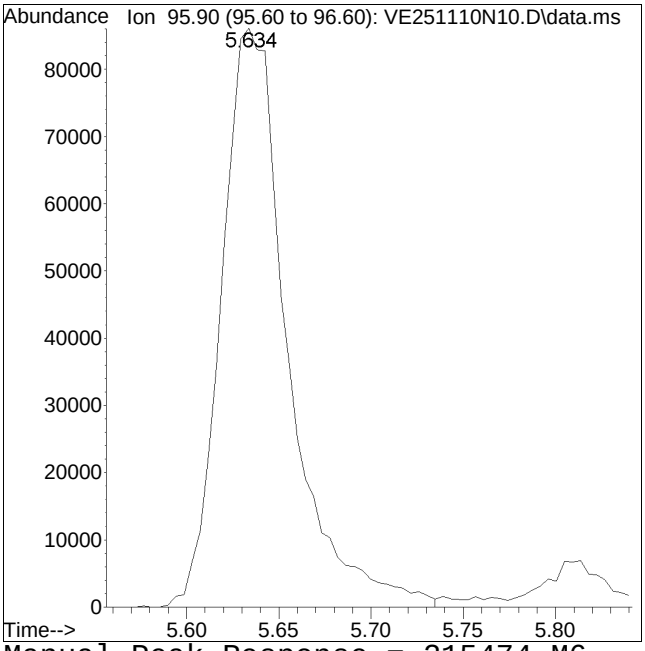
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N10.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:06 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 11/11/2025 1:18 pm

Compound #1: Fluorobenzene



Original Peak Response = 229599



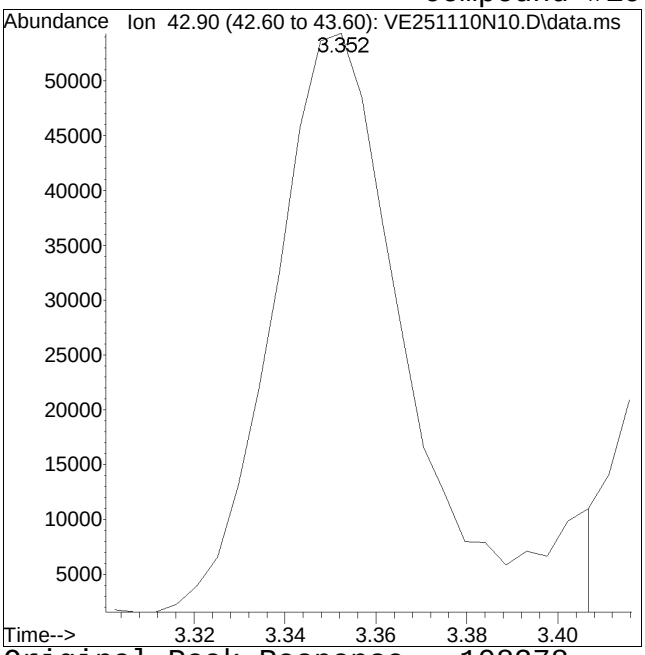
Manual Peak Response = 215474 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

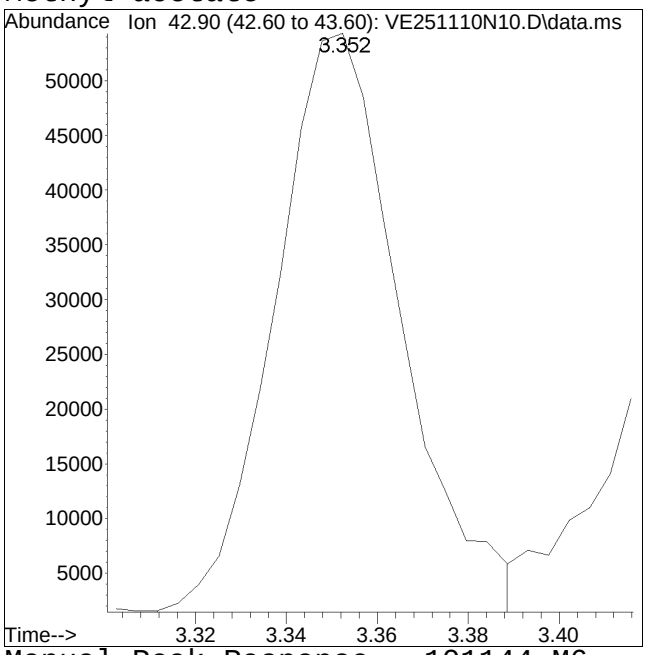
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N10.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:06 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 11/11/2025 1:18 pm

Compound #19: Methyl acetate



Original Peak Response = 108378



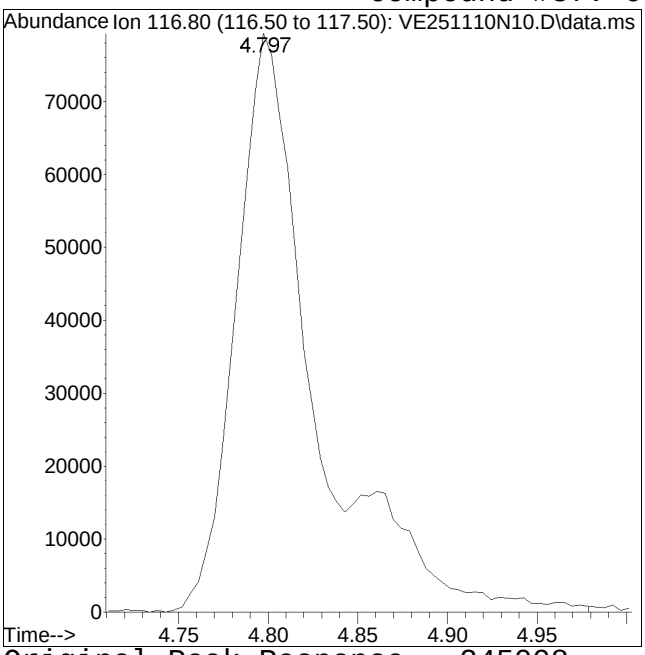
Manual Peak Response = 101144 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

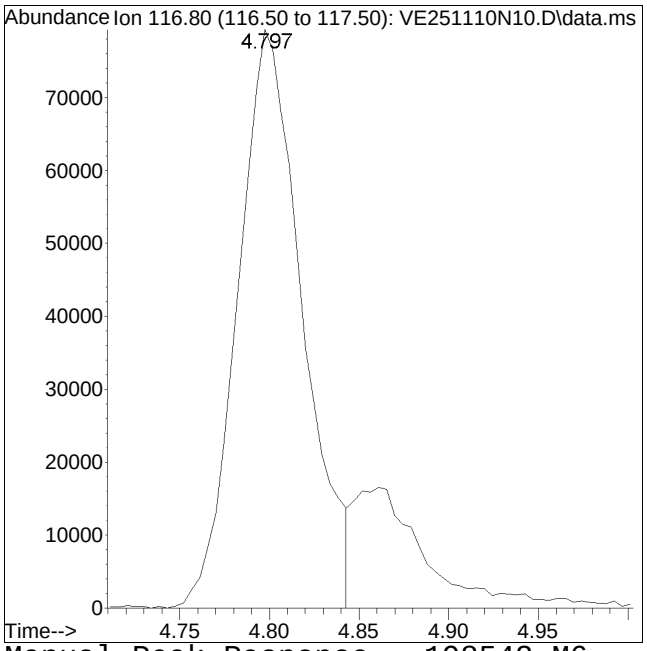
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N10.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:06 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 11/11/2025 1:18 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 245008



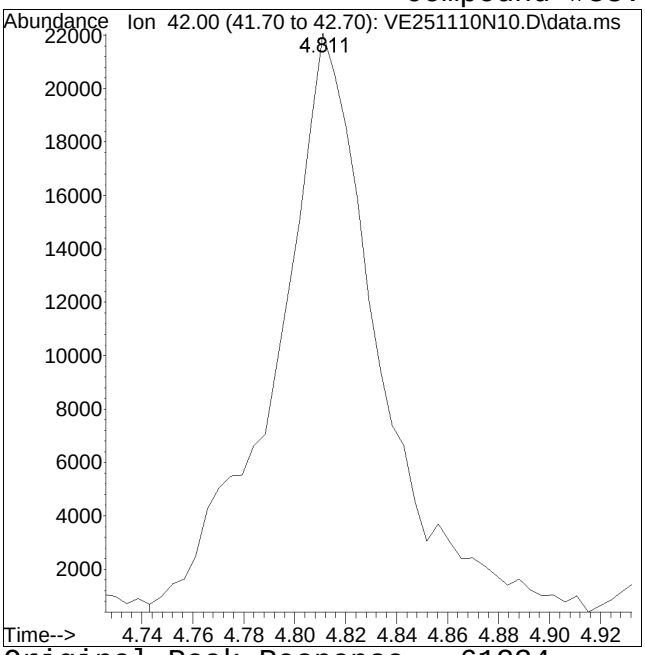
Manual Peak Response = 198542 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

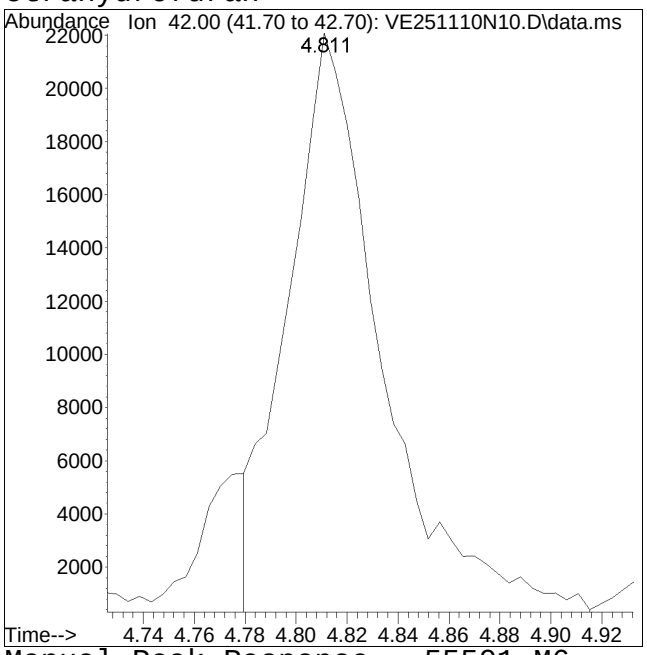
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N10.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:06 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 11/11/2025 1:18 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 61234



Manual Peak Response = 55501 M6

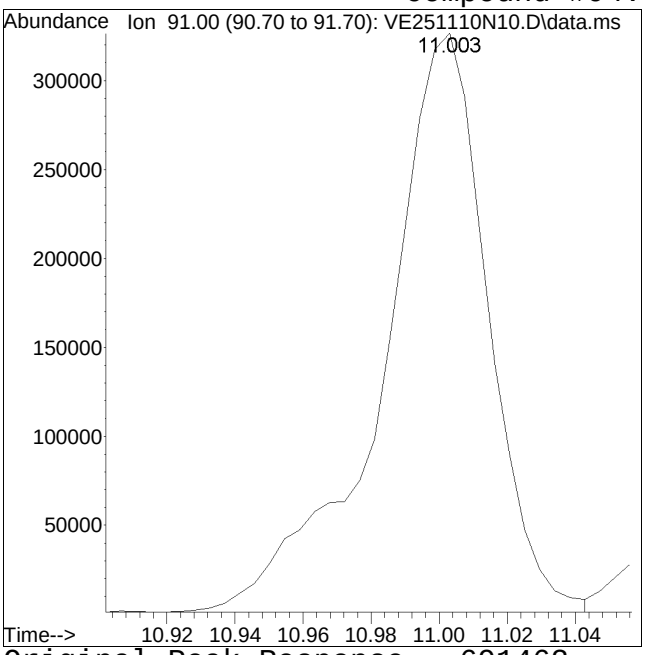
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

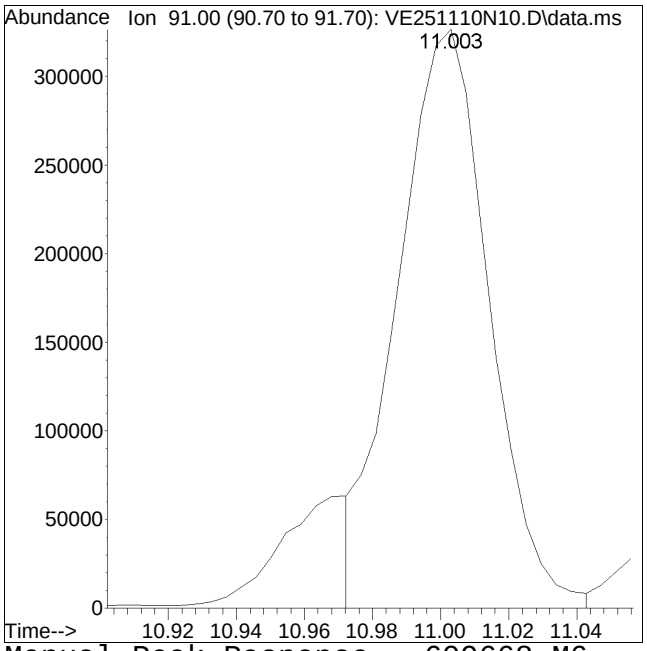
Data Path : K:\Elaine\2025\251110NICALQ
Data File : VE251110N10.D
Date Inj'd : 11/11/2025 12:06 am
Sample : I8260STD30PPB

Method : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 11/11/2025 1:18 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 691462



Manual Peak Response = 609668 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N11.D
Acq On : 11 Nov 2025 12:30 am
Operator : ELAINE:PID
Sample : I8260STD80PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 13:53:40 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.634	96	249611	10.000 ug/L	0.00
Standard Area 1 = 194422			Recovery = 128.39%		
63) Chlorobenzene-d5	9.131	117	177762	10.000 ug/L	0.00
Standard Area 1 = 153144			Recovery = 116.08%		
84) 1,4-Dichlorobenzene-d4	11.911	152	102043	10.000 ug/L	0.00
Standard Area 1 = 86422			Recovery = 118.08%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.843	113	62400	8.622 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.22%		
47) 1,2-Dichloroethane-d4	5.357	65	83607M6	8.591 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.91%		
64) Toluene-d8	7.310	98	245876	10.125 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.25%		
88) 4-Bromofluorobenzene	10.664	95	92958	9.559 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.59%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.468	85	655159	64.092 ug/L	99
3) Chloromethane	1.636	50	805699	63.824 ug/L	97
4) Vinyl chloride	1.704	62	643195	59.803 ug/L	99
5) Bromomethane	1.989	94	323113	87.734 ug/L	98
6) Chloroethane	2.084	64	441476	66.240 ug/L	97
7) Trichlorofluoromethane	2.220	101	788590	61.373 ug/L	96
8) Ethyl ether	2.492	74	274114	84.554 ug/L	93
10) 1,1-Dichloroethene	2.678	96	444281	67.952 ug/L	97
11) Carbon disulfide	2.709	76	1456645	66.124 ug/L	100
12) Freon-113	2.709	101	442667	69.383 ug/L	94
13) Iodomethane	2.805	142	370543	123.256 ug/L	96
14) Acrolein	2.972	56	74967	97.142 ug/L	88
15) Methylene chloride	3.203	84	478704	65.235 ug/L	94
17) Acetone	3.235	43	155658	65.971 ug/L #	89
18) trans-1,2-Dichloroethene	3.348	96	440552	73.496 ug/L	98
19) Methyl acetate	3.348	43	299092M4	77.114 ug/L	
21) Methyl tert-butyl ether	3.439	73	1101941	97.297 ug/L #	94
22) tert-Butyl alcohol	3.529	59	153461	373.534 ug/L #	100
24) Diisopropyl ether	3.788	45	2314500	90.125 ug/L	97
25) 1,1-Dichloroethane	3.910	63	1120671	69.225 ug/L	99

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N11.D
Acq On : 11 Nov 2025 12:30 am
Operator : ELAINE:PID
Sample : I8260STD80PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 13:53:40 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Halothane	3.964	117	313556	79.829	ug/L	97
27) Acrylonitrile	3.951	53	178387	79.005	ug/L	97
28) Ethyl tert-butyl ether	4.123	59	1622713	96.162	ug/L	95
29) Vinyl acetate	4.132	43	1418677	104.186	ug/L	99
30) cis-1,2-Dichloroethene	4.413	96	514256	73.827	ug/L	97
31) 2,2-Dichloropropane	4.508	77	780493	79.243	ug/L	95
33) Bromochloromethane	4.598	128	214358	68.726	ug/L	98
34) Cyclohexane	4.603	56	1232093	79.293	ug/L	99
35) Chloroform	4.671	83	881776	68.756	ug/L	98
36) Ethyl acetate	4.775	43	481582	89.189	ug/L	98
37) Carbon tetrachloride	4.802	117	604764M6	77.552	ug/L	
38) Tetrahydrofuran	4.816	42	157759M6	75.201	ug/L	
40) 1,1,1-Trichloroethane	4.861	97	739973	76.785	ug/L	97
42) 2-Butanone	4.952	43	216583	79.608	ug/L	96
43) 1,1-Dichloropropene	4.983	75	667613	88.305	ug/L	100
45) Benzene	5.221	78	1967232	79.841	ug/L	96
46) tert-Amyl methyl ether	5.331	73	1073225	94.031	ug/L	94
48) 1,2-Dichloroethane	5.423	62	771145	81.352	ug/L	99
51) Methyl cyclohexane	5.801	83	827090	89.174	ug/L	95
52) Trichloroethene	5.809	95	485812	83.979	ug/L	99
54) Dibromomethane	6.239	93	273704	78.667	ug/L	99
55) 1,2-Dichloropropane	6.345	63	619226	85.106	ug/L	99
57) 2-Chloroethyl vinyl ether	7.038	63	270260	94.005	ug/L	96
58) Bromodichloromethane	6.424	83	685132	89.409	ug/L	95
61) 1,4-Dioxane	6.626	88	33400	739.112	ug/L	96
62) cis-1,3-Dichloropropene	7.104	75	814588	94.205	ug/L	97
65) Toluene	7.363	92	1096802	78.702	ug/L	99
66) 4-Methyl-2-pentanone	7.797	58	142523	89.520	ug/L	98
67) Tetrachloroethene	7.806	166	393511	80.113	ug/L	100
69) trans-1,3-Dichloropropene	7.845	75	671590	100.061	ug/L	97
71) Ethyl methacrylate	8.034	69	463141	83.503	ug/L	93
72) 1,1,2-Trichloroethane	8.030	83	298067	92.244	ug/L	98
73) Chlorodibromomethane	8.236	129	430800	99.795	ug/L	99
74) 1,3-Dichloropropane	8.346	76	676259	91.866	ug/L	98
75) 1,2-Dibromoethane	8.504	107	347637	92.368	ug/L	97
77) 2-Hexanone	8.793	43	339377	86.090	ug/L	97
78) Chlorobenzene	9.153	112	1238074	78.807	ug/L	98
79) Ethylbenzene	9.193	91	2336129	77.963	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.241	131	414170	97.084	ug/L	98
81) p/m Xylene	9.381	106	1783667	154.219	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N11.D
Acq On : 11 Nov 2025 12:30 am
Operator : ELAINE:PID
Sample : I8260STD80PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 13:53:40 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) o Xylene	9.925	106	1804077	162.241	ug/L	99
83) Styrene	10.000	104	3204344	174.814	ug/L	100
85) Bromoform	10.022	173	255523	106.578	ug/L	98
87) Isopropylbenzene	10.329	105	2563069	82.816	ug/L	99
89) Bromobenzene	10.779	156	507063	81.657	ug/L	97
90) n-Propylbenzene	10.836	91	3202578	81.863	ug/L	100
91) 1,4-Dichlorobutane	10.849	55	1010528	86.334	ug/L	100
92) 1,1,2,2-Tetrachloroethane	10.933	83	426188	78.963	ug/L	98
93) 4-Ethyltoluene	10.968	105	2445409	79.824	ug/L	100
94) 2-Chlorotoluene	11.003	91	1745008M6	73.393	ug/L	
95) 1,3,5-Trimethylbenzene	11.069	105	2265376	85.492	ug/L	100
96) 1,2,3-Trichloropropane	11.065	75	397764	85.592	ug/L	99
97) trans-1,4-Dichloro-2-b...	11.127	53	203458	85.723	ug/L	89
98) 4-Chlorotoluene	11.193	91	1896015	79.404	ug/L	99
99) tert-Butylbenzene	11.417	119	1816609	80.951	ug/L	99
102) 1,2,4-Trimethylbenzene	11.497	105	2289040	85.948	ug/L	98
103) sec-Butylbenzene	11.611	105	2850110	82.321	ug/L	99
104) p-Isopropyltoluene	11.774	119	2423865	86.119	ug/L	98
105) 1,3-Dichlorobenzene	11.831	146	1122428	81.263	ug/L	99
106) 1,4-Dichlorobenzene	11.928	146	1088462	79.992	ug/L	99
107) p-Diethylbenzene	12.153	119	1408598	83.330	ug/L	98
108) n-Butylbenzene	12.210	91	2326689	82.350	ug/L	98
109) 1,2-Dichlorobenzene	12.356	146	1033748	78.973	ug/L	98
110) 1,2,4,5-Tetramethylben...	12.959	119	2270454	85.272	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.144	155	66432	82.460	ug/L	100
112) 1,3,5-Trichlorobenzene	13.180	180	699732	82.440	ug/L	99
113) Hexachlorobutadiene	13.761	225	179625	83.116	ug/L	96
114) 1,2,4-Trichlorobenzene	13.779	180	583928	84.586	ug/L	99
115) Naphthalene	14.074	128	1539714	91.530	ug/L	100
116) 1,2,3-Trichlorobenzene	14.241	180	518563	89.513	ug/L	97

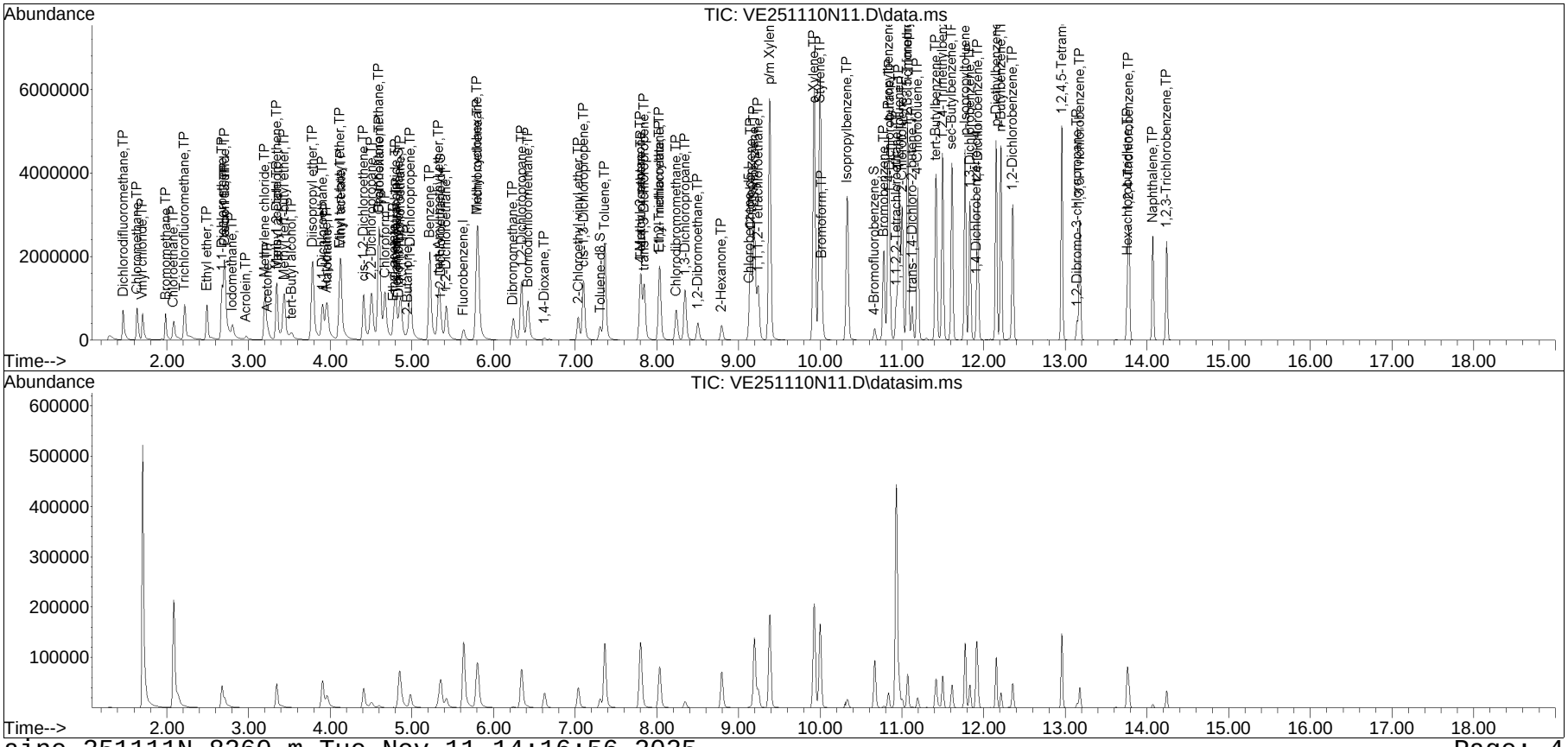
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N11.D
Acq On : 11 Nov 2025 12:30 am
Operator : ELAINE:PID
Sample : I8260STD80PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 13:53:40 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

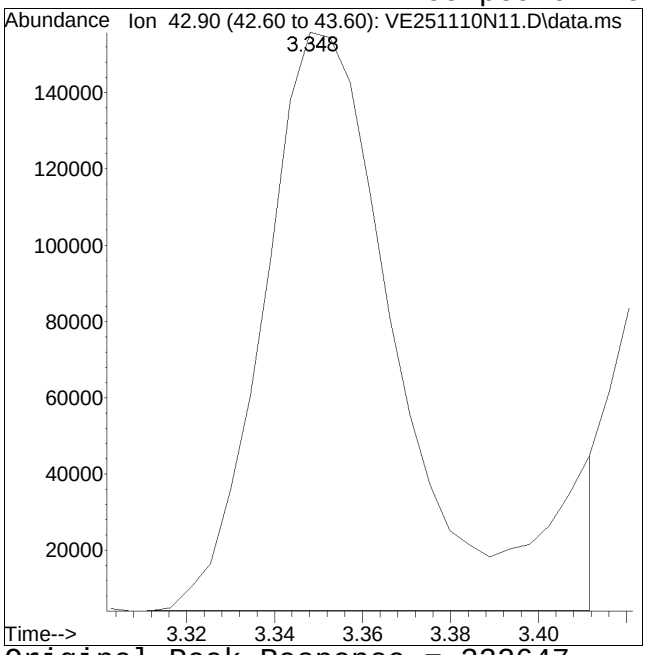
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



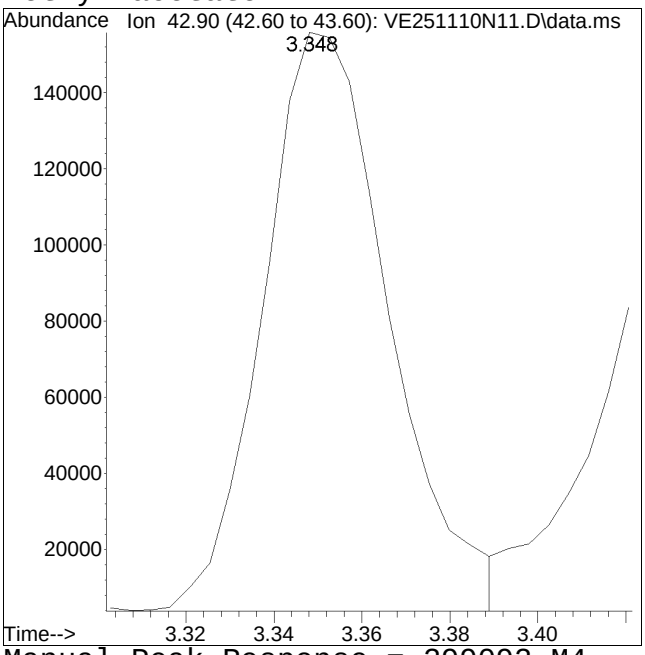
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N11.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:30 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 11/11/2025 1:19 pm

Compound #19: Methyl acetate



Original Peak Response = 332647



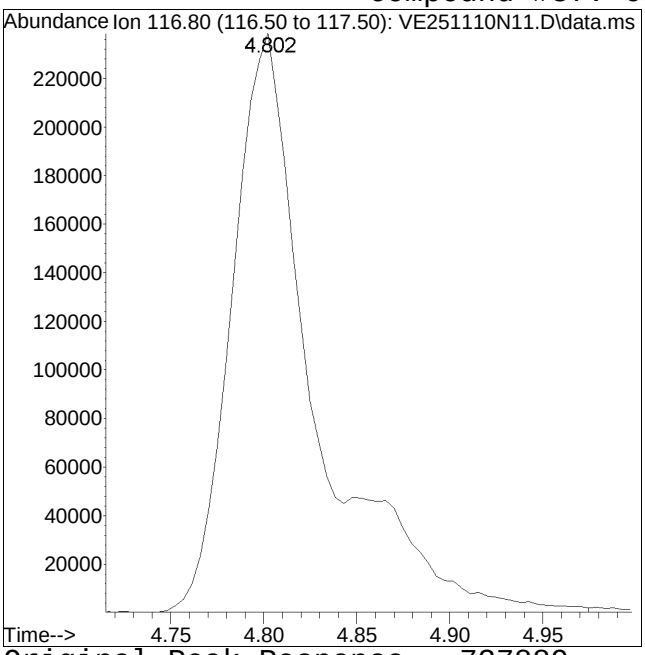
Manual Peak Response = 299092 M4

M4 = Poor automated baseline construction.

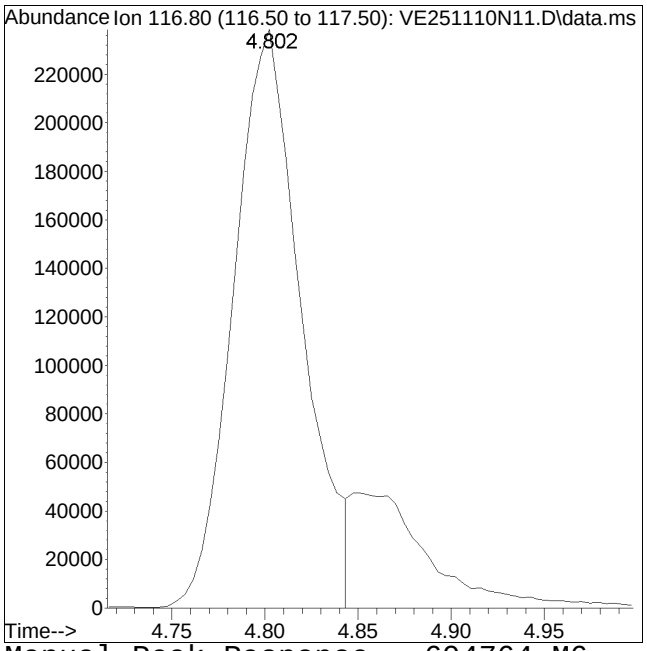
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N11.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:30 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 11/11/2025 1:19 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 737889



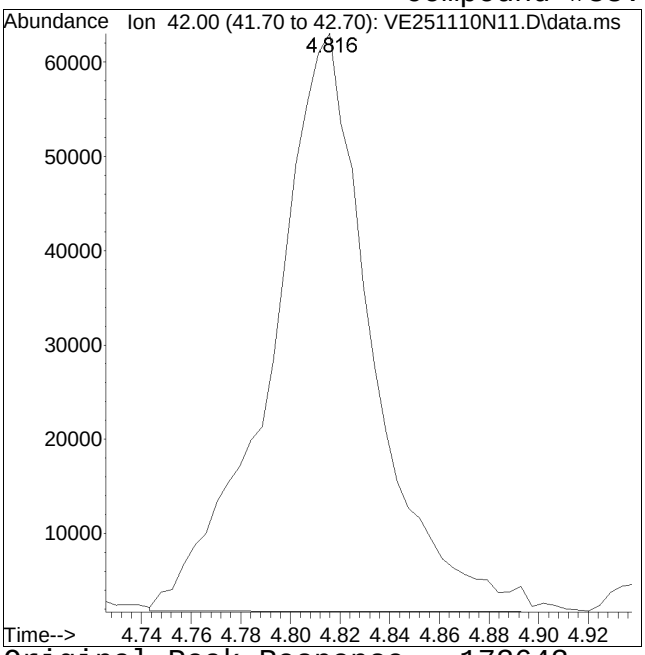
Manual Peak Response = 604764 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

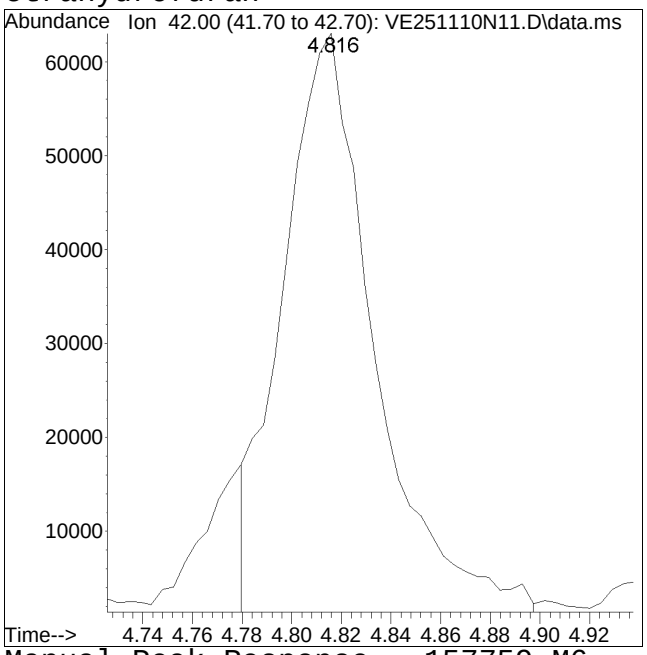
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N11.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:30 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 11/11/2025 1:19 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 173643



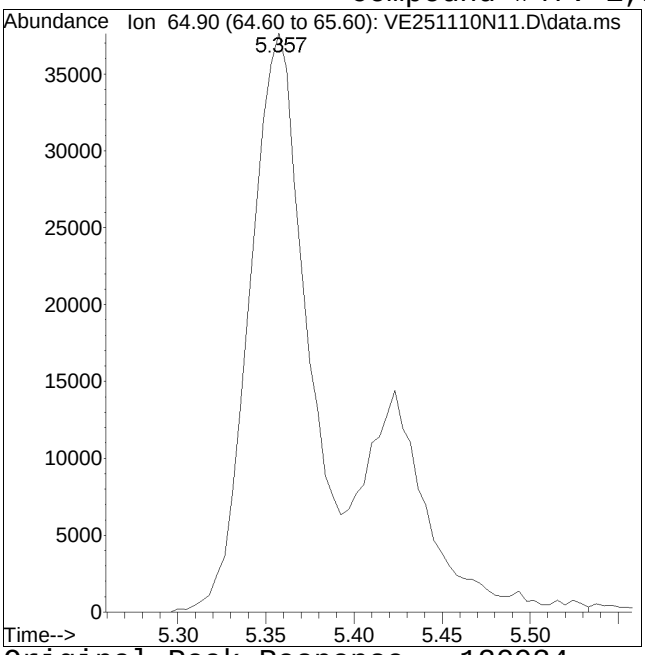
Manual Peak Response = 157759 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

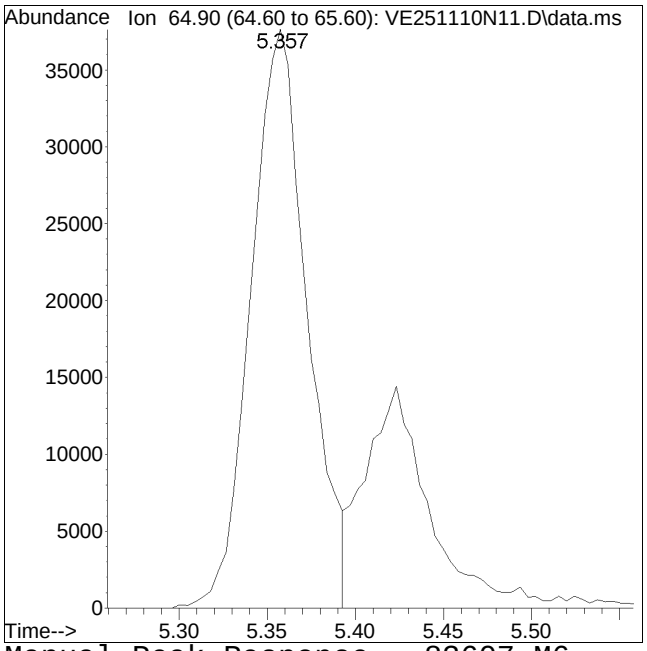
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N11.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:30 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 11/11/2025 1:19 pm

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 120934



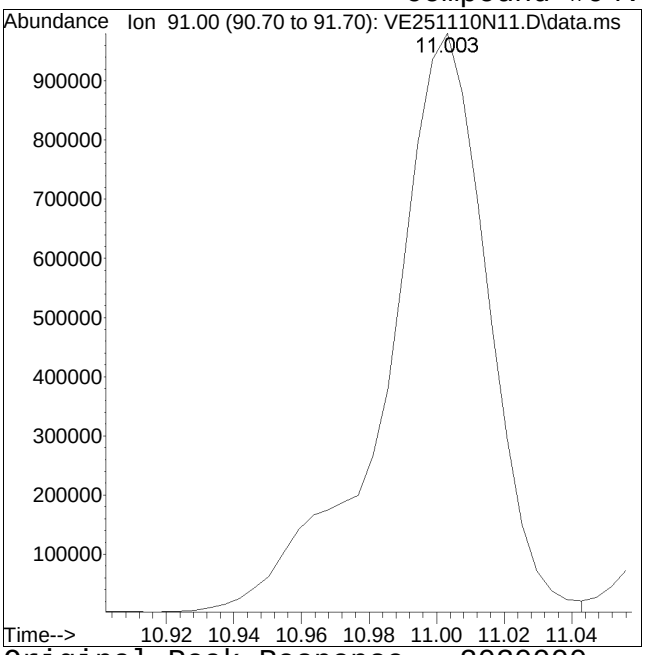
Manual Peak Response = 83607 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

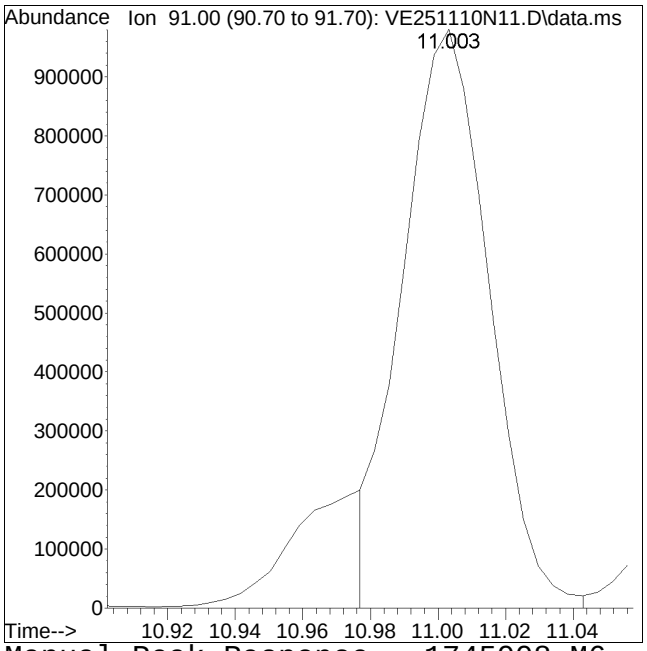
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N11.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:30 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 11/11/2025 1:19 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 2030000



Manual Peak Response = 1745008 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N12.D
Acq On : 11 Nov 2025 12:54 am
Operator : ELAINE:PID
Sample : I8260STD120PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 13:54:57 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.634	96	269793	10.000	ug/L	0.00
Standard Area 1 = 194422			Recovery = 138.77%			
63) Chlorobenzene-d5	9.131	117	195540	10.000	ug/L	0.00
Standard Area 1 = 153144			Recovery = 127.68%			
84) 1,4-Dichlorobenzene-d4	11.915	152	106945	10.000	ug/L	0.00
Standard Area 1 = 86422			Recovery = 123.75%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.843	113	66499	8.501	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.01%			
47) 1,2-Dichloroethane-d4	5.362	65	92741M6	8.816	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.16%			
64) Toluene-d8	7.306	98	256452	9.600	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.00%			
88) 4-Bromofluorobenzene	10.668	95	98726	9.687	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.87%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.463	85	1003379	90.815	ug/L	99
3) Chloromethane	1.640	50	1269535	93.044	ug/L	98
4) Vinyl chloride	1.703	62	991637	85.304	ug/L	99
5) Bromomethane	1.984	94	543844	136.622	ug/L	92
6) Chloroethane	2.084	64	726633	100.870	ug/L	96
7) Trichlorofluoromethane	2.220	101	1266643	91.204	ug/L	96
8) Ethyl ether	2.496	74	467132	133.314	ug/L	93
10) 1,1-Dichloroethene	2.677	96	704173	99.645	ug/L	98
11) Carbon disulfide	2.709	76	2354313	98.879	ug/L	100
12) Freon-113	2.709	101	708878	102.797	ug/L	93
13) Iodomethane	2.804	142	622167	191.474	ug/L	97
14) Acrolein	2.976	56	128490	154.041	ug/L	85
15) Methylene chloride	3.203	84	775542	97.780	ug/L	96
17) Acetone	3.235	43	252930	99.178	ug/L #	88
18) trans-1,2-Dichloroethene	3.348	96	714183	110.233	ug/L	97
19) Methyl acetate	3.348	43	507714M6	121.111	ug/L	
21) Methyl tert-butyl ether	3.438	73	1909551	155.992	ug/L #	93
22) tert-Butyl alcohol	3.534	59	269288	606.431	ug/L #	100
24) Diisopropyl ether	3.787	45	3901479	140.556	ug/L	97
25) 1,1-Dichloroethane	3.910	63	1775618	101.478	ug/L	99

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N12.D
Acq On : 11 Nov 2025 12:54 am
Operator : ELAINE:PID
Sample : I8260STD120PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 13:54:57 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Halothane	3.964	117	511692	120.528	ug/L	97
27) Acrylonitrile	3.950	53	297894	122.063	ug/L	96
28) Ethyl tert-butyl ether	4.122	59	2799208	153.472	ug/L	94
29) Vinyl acetate	4.132	43	2496967	169.657	ug/L	99
30) cis-1,2-Dichloroethene	4.412	96	822987	109.310	ug/L	96
31) 2,2-Dichloropropane	4.508	77	1276948	119.949	ug/L	88
33) Bromochloromethane	4.598	128	331338	98.285	ug/L	97
34) Cyclohexane	4.598	56	1973800	117.525	ug/L	99
35) Chloroform	4.675	83	1420298	102.463	ug/L	99
36) Ethyl acetate	4.775	43	824982	141.358	ug/L	98
37) Carbon tetrachloride	4.797	117	1023431M6	121.422	ug/L	
38) Tetrahydrofuran	4.811	42	257971M6	113.772	ug/L	
40) 1,1,1-Trichloroethane	4.861	97	1206268	115.808	ug/L	97
42) 2-Butanone	4.951	43	356901	121.370	ug/L	98
43) 1,1-Dichloropropene	4.983	75	1083539	132.599	ug/L	100
45) Benzene	5.221	78	3243504	121.792	ug/L	97
46) tert-Amyl methyl ether	5.335	73	1839908	149.145	ug/L	93
48) 1,2-Dichloroethane	5.423	62	1275186	124.462	ug/L	99
51) Methyl cyclohexane	5.801	83	1348699	134.535	ug/L	95
52) Trichloroethene	5.814	95	798229	127.662	ug/L	99
54) Dibromomethane	6.244	93	452139	120.231	ug/L	100
55) 1,2-Dichloropropane	6.345	63	1012377	128.733	ug/L	98
57) 2-Chloroethyl vinyl ether	7.038	63	452893	145.746	ug/L	96
58) Bromodichloromethane	6.424	83	1122346	135.509	ug/L	95
61) 1,4-Dioxane	6.625	88	53802	1101.527	ug/L	95
62) cis-1,3-Dichloropropene	7.104	75	1350061	144.452	ug/L	96
65) Toluene	7.363	92	1783062	116.313	ug/L	100
66) 4-Methyl-2-pentanone	7.793	58	242322	138.366	ug/L	94
67) Tetrachloroethene	7.806	166	646230	119.601	ug/L	100
69) trans-1,3-Dichloropropene	7.845	75	1115134	151.040	ug/L	96
71) Ethyl methacrylate	8.038	69	757330	124.130	ug/L	93
72) 1,1,2-Trichloroethane	8.034	83	497255	139.896	ug/L	99
73) Chlorodibromomethane	8.240	129	723275	152.315	ug/L	98
74) 1,3-Dichloropropane	8.346	76	1115467	137.753	ug/L	99
75) 1,2-Dibromoethane	8.504	107	573844	138.609	ug/L	99
77) 2-Hexanone	8.793	43	545306	125.751	ug/L	99
78) Chlorobenzene	9.153	112	2024135	117.128	ug/L	97
79) Ethylbenzene	9.192	91	3768852	114.341	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.241	131	690832	147.212	ug/L	97
81) p/m Xylene	9.381	106	2952151	232.041	ug/L	97

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N12.D
Acq On : 11 Nov 2025 12:54 am
Operator : ELAINE:PID
Sample : I8260STD120PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 13:54:57 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) o Xylene	9.930	106	3003457	245.544	ug/L	100
83) Styrene	10.000	104	5393156	267.475	ug/L	100
85) Bromoform	10.026	173	443185	176.379	ug/L	97
87) Isopropylbenzene	10.329	105	4206847	129.698	ug/L	99
89) Bromobenzene	10.778	156	809830	124.436	ug/L	98
90) n-Propylbenzene	10.836	91	5225677	127.453	ug/L	100
91) 1,4-Dichlorobutane	10.849	55	1655205	134.931	ug/L	99
92) 1,1,2,2-Tetrachloroethane	10.933	83	696879	123.197	ug/L	97
93) 4-Ethyltoluene	10.968	105	3987456	124.194	ug/L	100
94) 2-Chlorotoluene	11.003	91	2968946M6	119.147	ug/L	
95) 1,3,5-Trimethylbenzene	11.074	105	3676166	132.374	ug/L	100
96) 1,2,3-Trichloropropane	11.065	75	667717	137.096	ug/L	98
97) trans-1,4-Dichloro-2-b...	11.126	53	336059	135.102	ug/L	87
98) 4-Chlorotoluene	11.193	91	3087627	123.381	ug/L	99
99) tert-Butylbenzene	11.417	119	2930282	124.593	ug/L	99
102) 1,2,4-Trimethylbenzene	11.497	105	3653963	130.908	ug/L	99
103) sec-Butylbenzene	11.611	105	4576785	126.134	ug/L	100
104) p-Isopropyltoluene	11.774	119	3882213	131.611	ug/L	98
105) 1,3-Dichlorobenzene	11.836	146	1793011	123.863	ug/L	98
106) 1,4-Dichlorobenzene	11.928	146	1754489	123.029	ug/L	99
107) p-Diethylbenzene	12.157	119	2308687	130.317	ug/L	98
108) n-Butylbenzene	12.215	91	3767744	127.241	ug/L	98
109) 1,2-Dichlorobenzene	12.356	146	1668669	121.635	ug/L	99
110) 1,2,4,5-Tetramethylben...	12.959	119	3867929	138.610	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.149	155	109781	130.022	ug/L	96
112) 1,3,5-Trichlorobenzene	13.179	180	1151314	129.427	ug/L	99
113) Hexachlorobutadiene	13.761	225	285955	126.252	ug/L	96
114) 1,2,4-Trichlorobenzene	13.779	180	944189	130.503	ug/L	99
115) Naphthalene	14.069	128	2534422	143.756	ug/L	100
116) 1,2,3-Trichlorobenzene	14.241	180	848731	139.791	ug/L	97

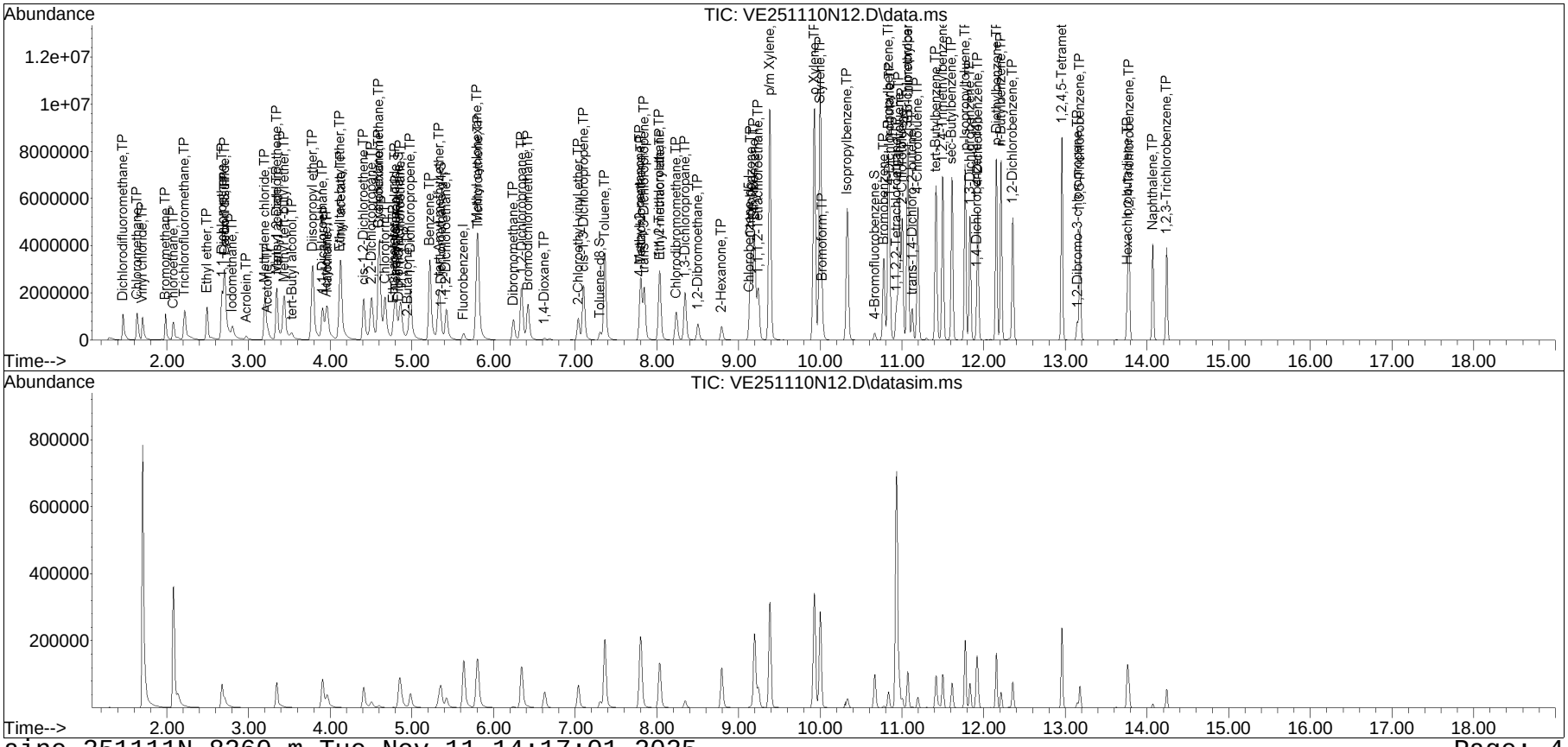
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N12.D
Acq On : 11 Nov 2025 12:54 am
Operator : ELAINE:PID
Sample : I8260STD120PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 13:54:57 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•

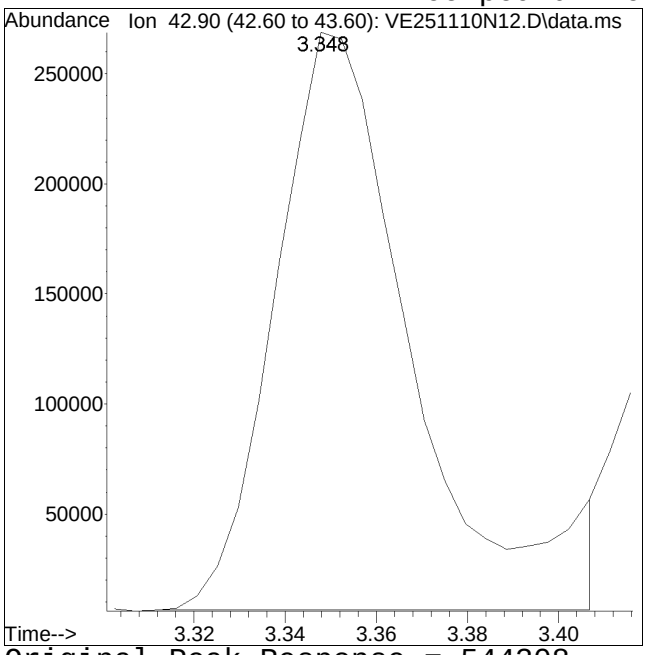


Manual Integration Report

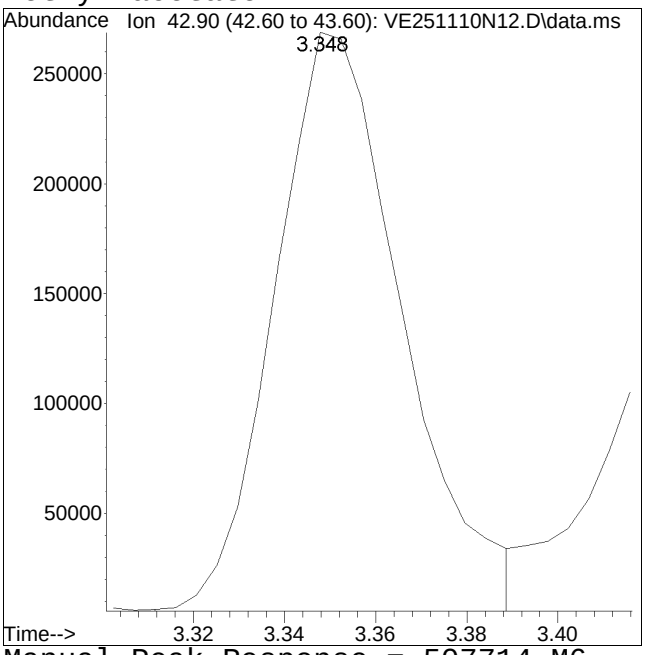
Data Path : K:\Elaine\2025\251110NICALQ
Data File : VE251110N12.D
Date Inj'd : 11/11/2025 12:54 am
Sample : I8260STD120PPB

Method : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 11/11/2025 1:19 pm

Compound #19: Methyl acetate



Original Peak Response = 544308



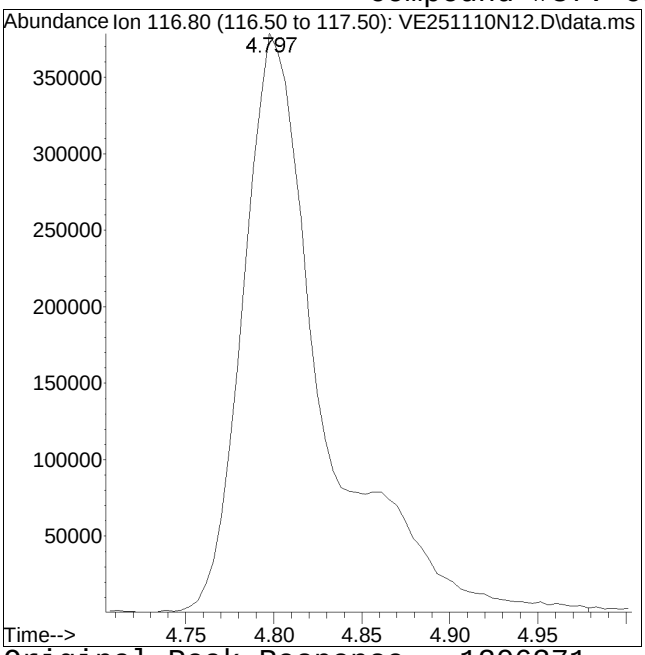
Manual Peak Response = 507714 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

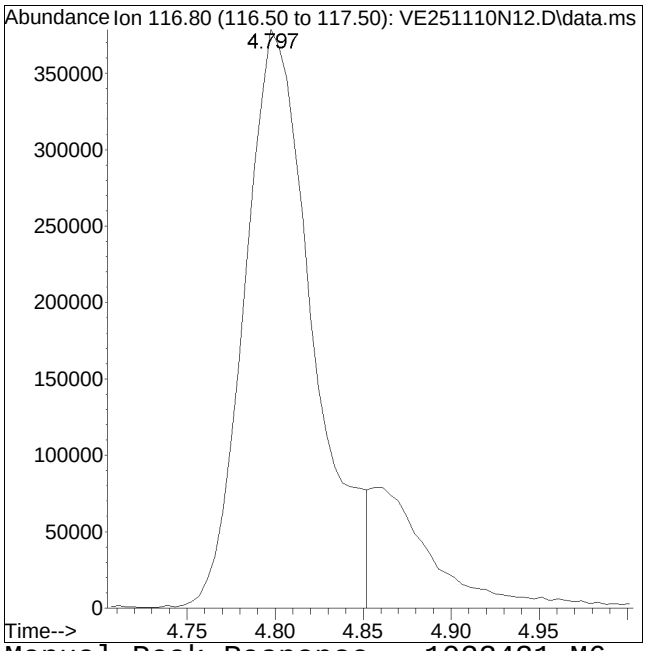
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N12.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:54 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 11/11/2025 1:19 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 1206371



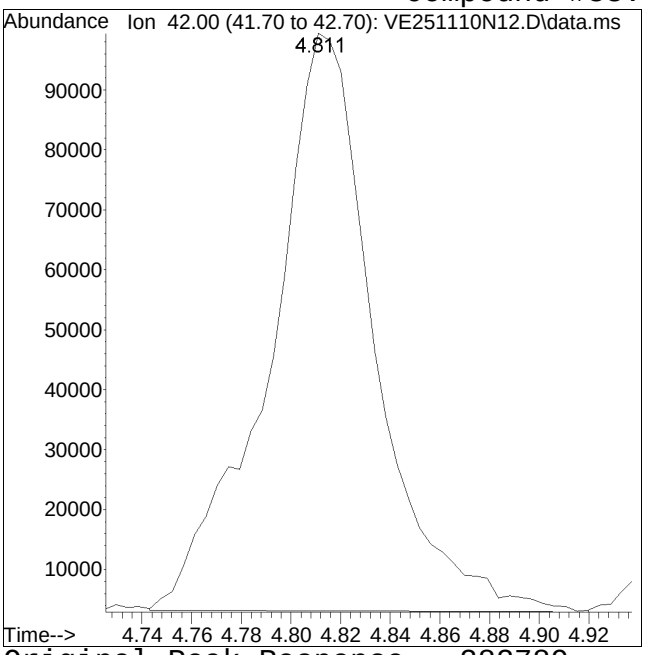
Manual Peak Response = 1023431 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

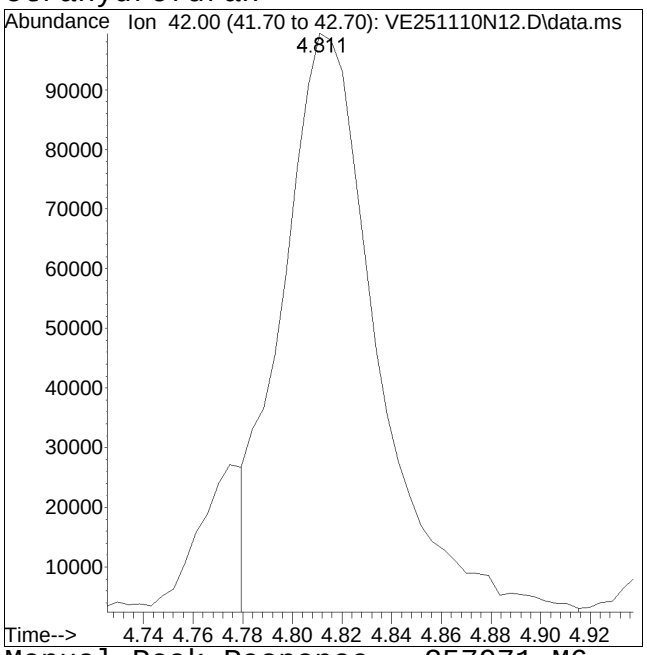
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N12.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:54 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 11/11/2025 1:19 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 282789



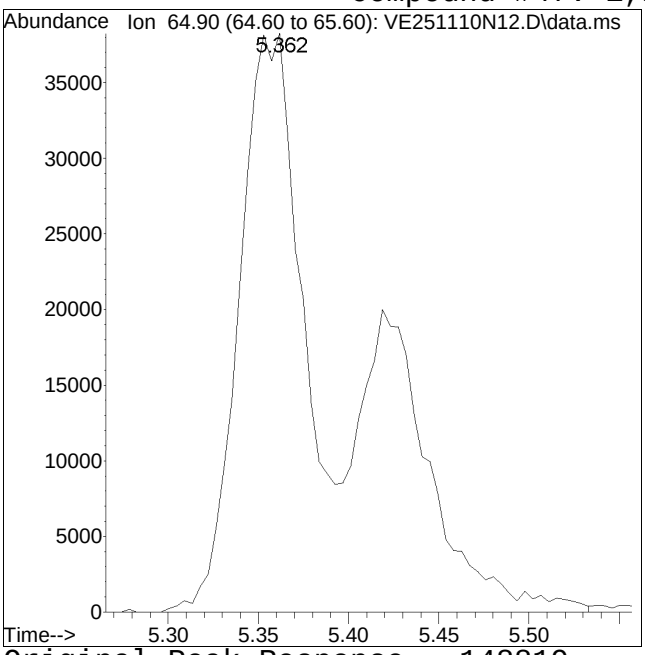
Manual Peak Response = 257971 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

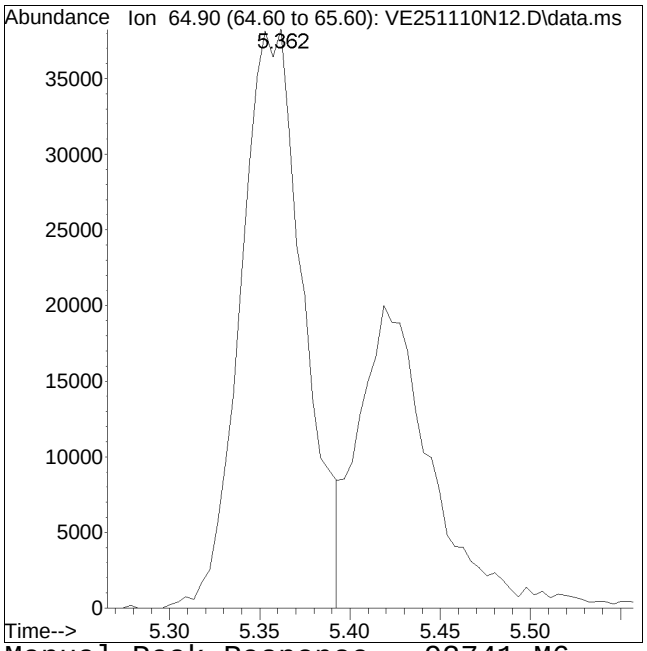
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N12.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:54 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 11/11/2025 1:19 pm

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 148819



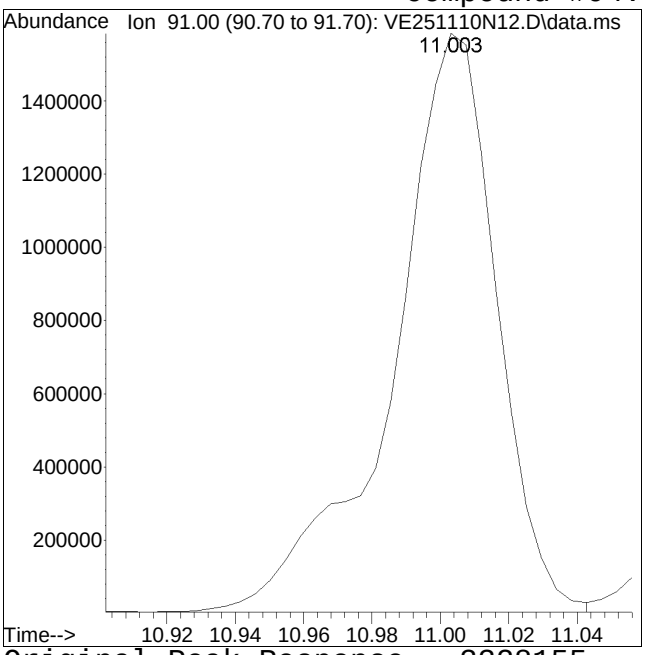
Manual Peak Response = 92741 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

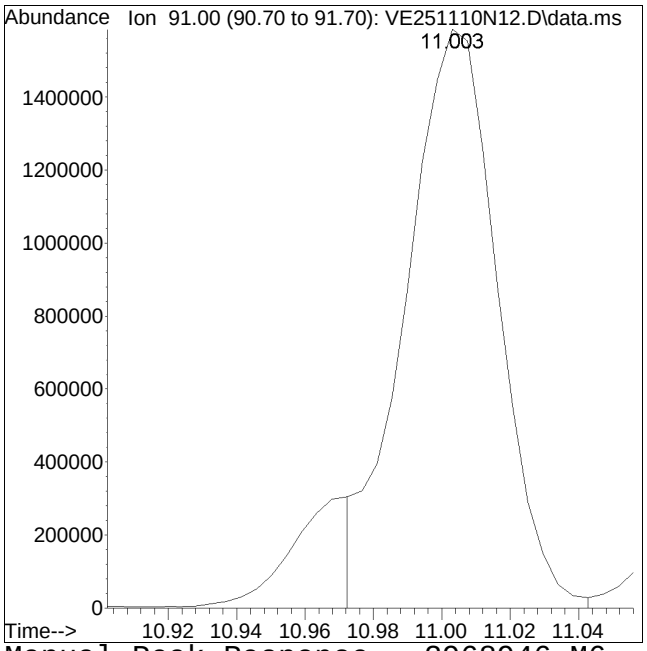
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N12.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:54 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 11/11/2025 1:19 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 3328155



Manual Peak Response = 2968946 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N13.D
Acq On : 11 Nov 2025 1:18 am
Operator : ELAINE:PID
Sample : I8260STD200PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 13:56:16 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.634	96	300189	10.000	ug/L	0.00
Standard Area 1 = 194422			Recovery = 154.40%			
63) Chlorobenzene-d5	9.131	117	220936	10.000	ug/L	0.00
Standard Area 1 = 153144			Recovery = 144.27%			
84) 1,4-Dichlorobenzene-d4	11.915	152	124587	10.000	ug/L	0.00
Standard Area 1 = 86422			Recovery = 144.16%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.847	113	73788	8.477	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.77%			
47) 1,2-Dichloroethane-d4	5.357	65	107265M6	9.165	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.65%			
64) Toluene-d8	7.306	98	286159	9.481	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.81%			
88) 4-Bromofluorobenzene	10.668	95	113269	9.540	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.463	85	1536261	124.966	ug/L	99
3) Chloromethane	1.636	50	2265798	149.245	ug/L	97
4) Vinyl chloride	1.704	62	1646015	127.258	ug/L	99
5) Bromomethane	1.984	94	1082361	244.373	ug/L	99
6) Chloroethane	2.079	64	1055538	131.691	ug/L	97
7) Trichlorofluoromethane	2.215	101	2076169	134.356	ug/L	96
8) Ethyl ether	2.492	74	876659	224.855	ug/L	93
10) 1,1-Dichloroethene	2.673	96	1243440	158.138	ug/L	97
11) Carbon disulfide	2.705	76	4247385	160.323	ug/L	99
12) Freon-113	2.709	101	1150274	149.916	ug/L	95
13) Iodomethane	2.804	142	1132700	313.295	ug/L	97
14) Acrolein	2.972	56	221462	238.618	ug/L	86
15) Methylene chloride	3.198	84	1381206	156.509	ug/L	99
17) Acetone	3.239	43	463598	163.378	ug/L #	90
18) trans-1,2-Dichloroethene	3.348	96	1240903	172.137	ug/L	97
19) Methyl acetate	3.348	43	928002M6	198.952	ug/L	
21) Methyl tert-butyl ether	3.438	73	3574183	262.413	ug/L #	92
22) tert-Butyl alcohol	3.529	59	478835	969.140	ug/L #	100
24) Diisopropyl ether	3.787	45	7155534	231.685	ug/L	96
25) 1,1-Dichloroethane	3.905	63	3130130	160.775	ug/L	99

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N13.D
Acq On : 11 Nov 2025 1:18 am
Operator : ELAINE:PID
Sample : I8260STD200PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 13:56:16 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Halothane	3.964	117	900536	190.641	ug/L	98
27) Acrylonitrile	3.946	53	500345	184.259	ug/L	99
28) Ethyl tert-butyl ether	4.123	59	5252825	258.835	ug/L	94
29) Vinyl acetate	4.132	43	4664032	284.811	ug/L	99
30) cis-1,2-Dichloroethene	4.408	96	1467712	175.204	ug/L	97
31) 2,2-Dichloropropane	4.508	77	2191797	185.037	ug/L	89
33) Bromochloromethane	4.598	128	580107	154.653	ug/L	96
34) Cyclohexane	4.598	56	3113520	166.615	ug/L	100
35) Chloroform	4.675	83	2518200	163.273	ug/L	98
36) Ethyl acetate	4.775	43	1484200	228.562	ug/L	98
37) Carbon tetrachloride	4.798	117	1677981M6	178.922	ug/L	
38) Tetrahydrofuran	4.811	42	493569M6	195.635	ug/L	
40) 1,1,1-Trichloroethane	4.865	97	2069129	178.533	ug/L	97
42) 2-Butanone	4.952	43	654133	199.924	ug/L	99
43) 1,1-Dichloropropene	4.983	75	1849232	203.387	ug/L	99
45) Benzene	5.221	78	5844911	197.250	ug/L	98
46) tert-Amyl methyl ether	5.335	73	3431716	250.012	ug/L	91
48) 1,2-Dichloroethane	5.423	62	2295151	201.331	ug/L	99
51) Methyl cyclohexane	5.801	83	2168461	194.405	ug/L	94
52) Trichloroethene	5.809	95	1428397	205.314	ug/L	98
54) Dibromomethane	6.244	93	820233	196.028	ug/L	99
55) 1,2-Dichloropropane	6.345	63	1802904	206.041	ug/L	99
57) 2-Chloroethyl vinyl ether	7.038	63	696786	201.529	ug/L	97
58) Bromodichloromethane	6.424	83	2032644	220.566	ug/L	96
61) 1,4-Dioxane	6.630	88	92584	1703.604	ug/L	96
62) cis-1,3-Dichloropropene	7.104	75	2430655	233.738	ug/L	96
65) Toluene	7.363	92	3223350	186.097	ug/L	99
66) 4-Methyl-2-pentanone	7.793	58	428866	216.734	ug/L	91
67) Tetrachloroethene	7.806	166	1135367	185.975	ug/L	99
69) trans-1,3-Dichloropropene	7.850	75	2056181	246.487	ug/L	95
71) Ethyl methacrylate	8.038	69	1352119	196.144	ug/L	91
72) 1,1,2-Trichloroethane	8.030	83	906037	225.601	ug/L	99
73) Chlorodibromomethane	8.240	129	1325424	247.037	ug/L	98
74) 1,3-Dichloropropane	8.346	76	1990979	217.611	ug/L	99
75) 1,2-Dibromoethane	8.504	107	1028100	219.787	ug/L	98
77) 2-Hexanone	8.793	43	944619	192.796	ug/L	99
78) Chlorobenzene	9.153	112	3701056	189.547	ug/L	97
79) Ethylbenzene	9.197	91	6873124	184.551	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.241	131	1288760	243.060	ug/L	97
81) p/m Xylene	9.386	106	5867306	408.163	ug/L	99

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N13.D
Acq On : 11 Nov 2025 1:18 am
Operator : ELAINE:PID
Sample : I8260STD200PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 13:56:16 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) o Xylene	9.930	106	5883037	425.675	ug/L		99
83) Styrene	10.004	104	10859465	476.669	ug/L		99
85) Bromoform	10.026	173	850889	290.684	ug/L		99
87) Isopropylbenzene	10.334	105	7708205	203.993	ug/L		99
89) Bromobenzene	10.778	156	1498307	197.625	ug/L		98
90) n-Propylbenzene	10.836	91	9562842	200.209	ug/L		99
91) 1,4-Dichlorobutane	10.849	55	3062728	214.316	ug/L		100
92) 1,1,2,2-Tetrachloroethane	10.937	83	1264940	191.956	ug/L		98
93) 4-Ethyltoluene	10.972	105	7437318	198.842	ug/L		100
94) 2-Chlorotoluene	11.008	91	5494057M6	189.261	ug/L		
95) 1,3,5-Trimethylbenzene	11.074	105	7083556	218.950	ug/L		99
96) 1,2,3-Trichloropropane	11.069	75	1278951	225.410	ug/L		97
97) trans-1,4-Dichloro-2-b...	11.127	53	600646	207.278	ug/L	#	86
98) 4-Chlorotoluene	11.197	91	5757199	197.480	ug/L		99
99) tert-Butylbenzene	11.417	119	5370804	196.025	ug/L		99
102) 1,2,4-Trimethylbenzene	11.501	105	6989067	214.937	ug/L		99
103) sec-Butylbenzene	11.616	105	8354063	197.633	ug/L		99
104) p-Isopropyltoluene	11.779	119	7427110	216.133	ug/L		97
105) 1,3-Dichlorobenzene	11.836	146	3469099	205.714	ug/L		98
106) 1,4-Dichlorobenzene	11.933	146	3432519	206.613	ug/L		98
107) p-Diethylbenzene	12.157	119	4448380	215.539	ug/L		98
108) n-Butylbenzene	12.215	91	7039091	204.057	ug/L		98
109) 1,2-Dichlorobenzene	12.360	146	3237413	202.570	ug/L		99
110) 1,2,4,5-Tetramethylben...	12.959	119	7232917	222.494	ug/L		99
111) 1,2-Dibromo-3-chloropr...	13.149	155	200263	203.600	ug/L		99
112) 1,3,5-Trichlorobenzene	13.180	180	2160425	208.477	ug/L		99
113) Hexachlorobutadiene	13.761	225	501266	189.975	ug/L		96
114) 1,2,4-Trichlorobenzene	13.779	180	1796146	213.103	ug/L		99
115) Naphthalene	14.069	128	4639181	225.879	ug/L		100
116) 1,2,3-Trichlorobenzene	14.241	180	1558024	220.278	ug/L		97

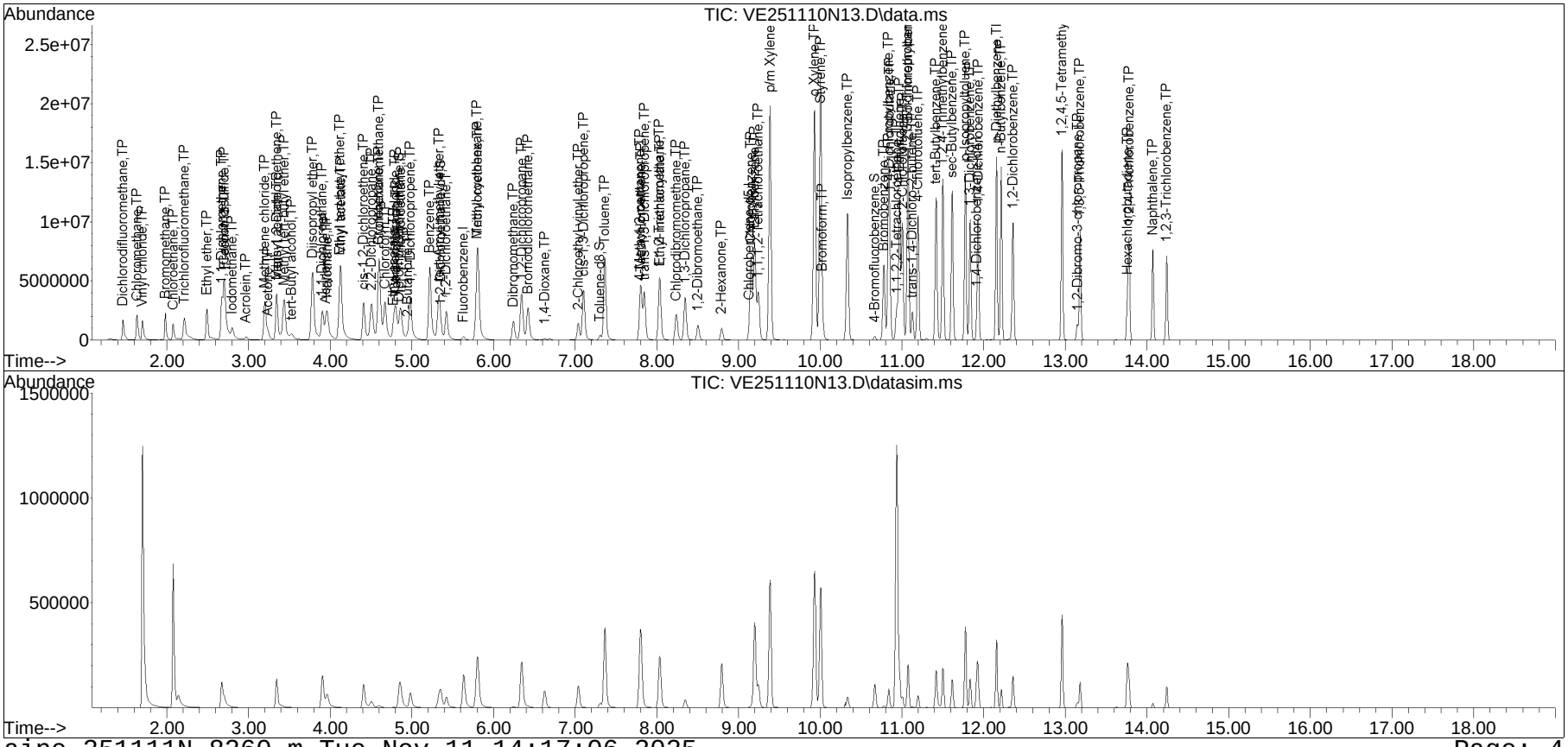
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N13.D
Acq On : 11 Nov 2025 1:18 am
Operator : ELAINE:PID
Sample : I8260STD200PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 13:56:16 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

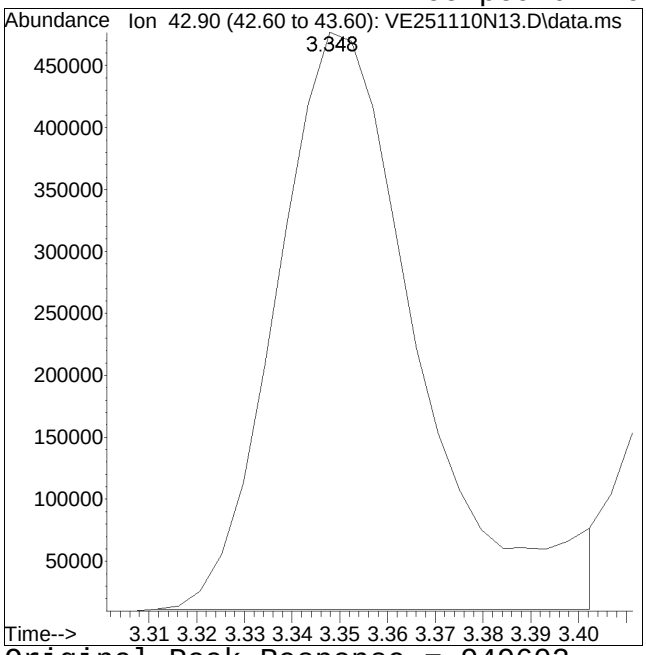
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



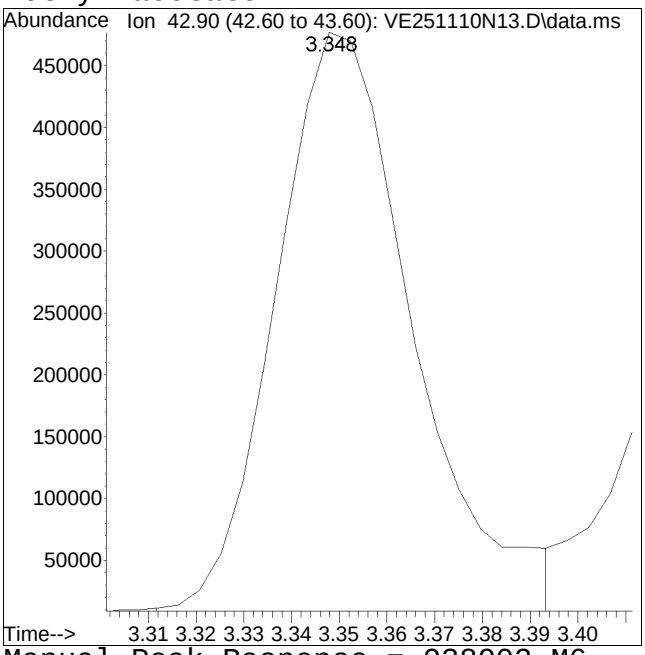
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N13.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 1:18 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 11/11/2025 1:19 pm

Compound #19: Methyl acetate



Original Peak Response = 949602



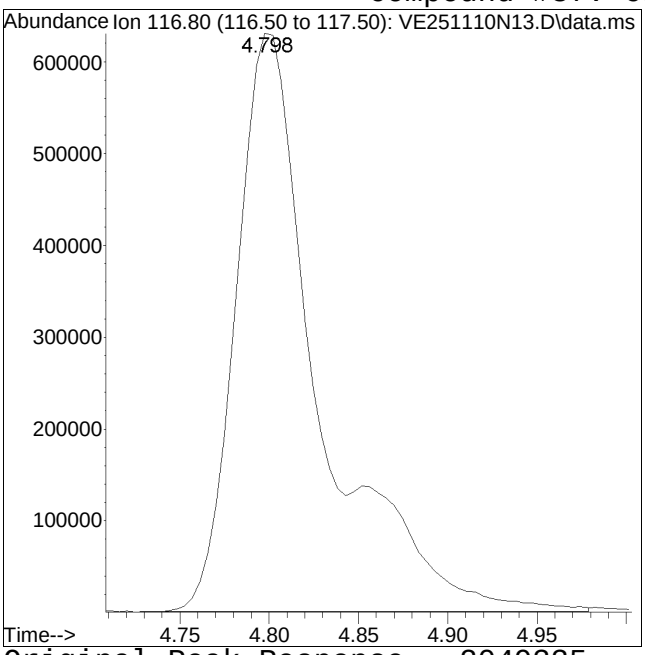
Manual Peak Response = 928002 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

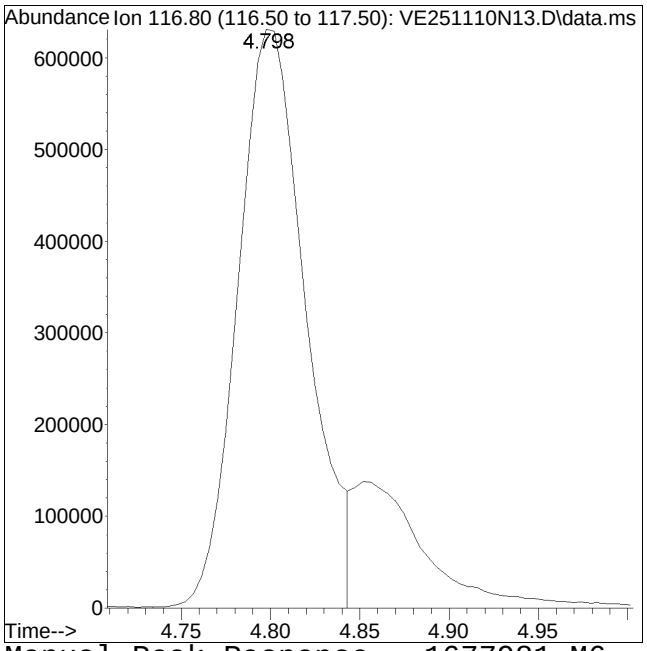
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N13.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 1:18 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 11/11/2025 1:19 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 2049335



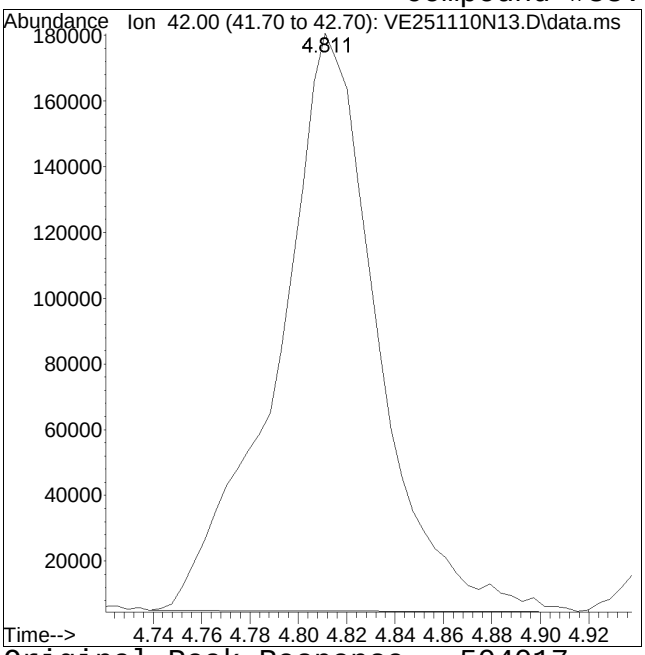
Manual Peak Response = 1677981 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

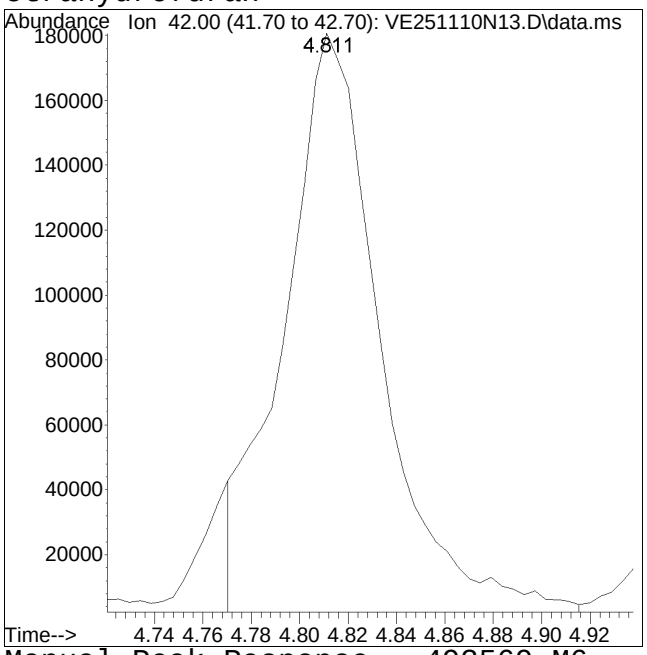
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N13.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 1:18 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 11/11/2025 1:19 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 504017



Manual Peak Response = 493569 M6

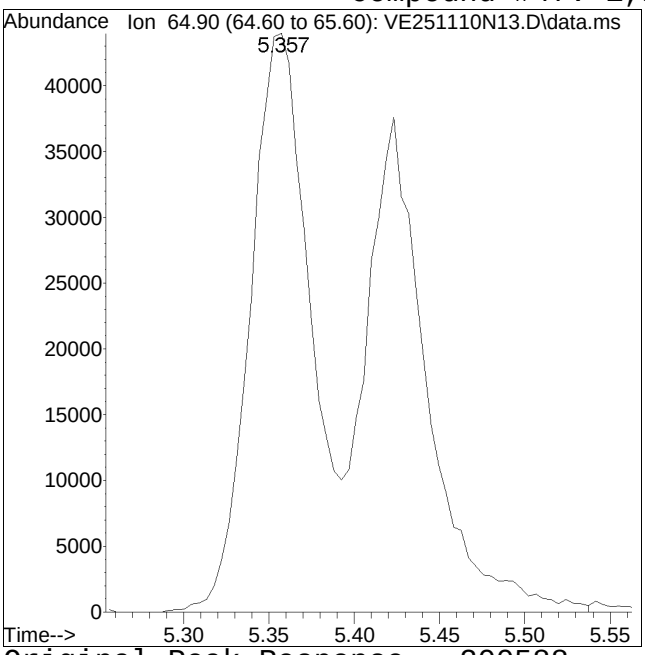
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

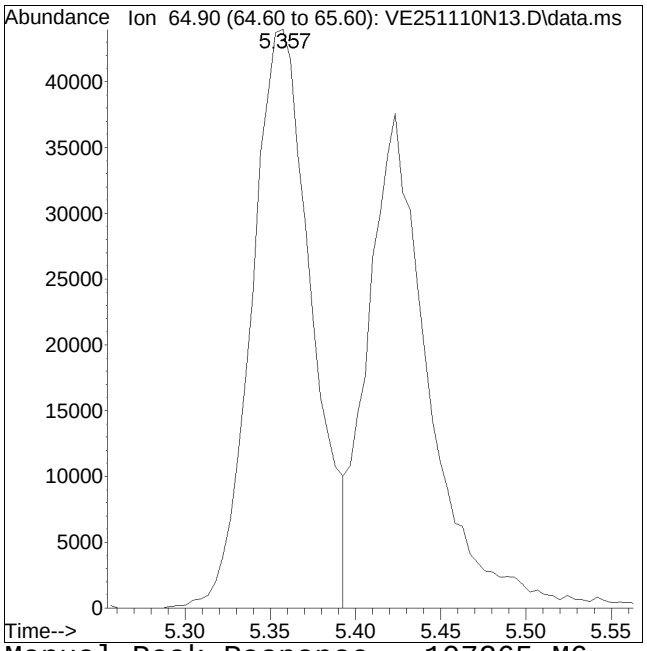
Data Path : K:\Elaine\2025\251110NICALQ
Data File : VE251110N13.D
Date Inj'd : 11/11/2025 1:18 am
Sample : I8260STD200PPB

Method : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 11/11/2025 1:19 pm

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 200588



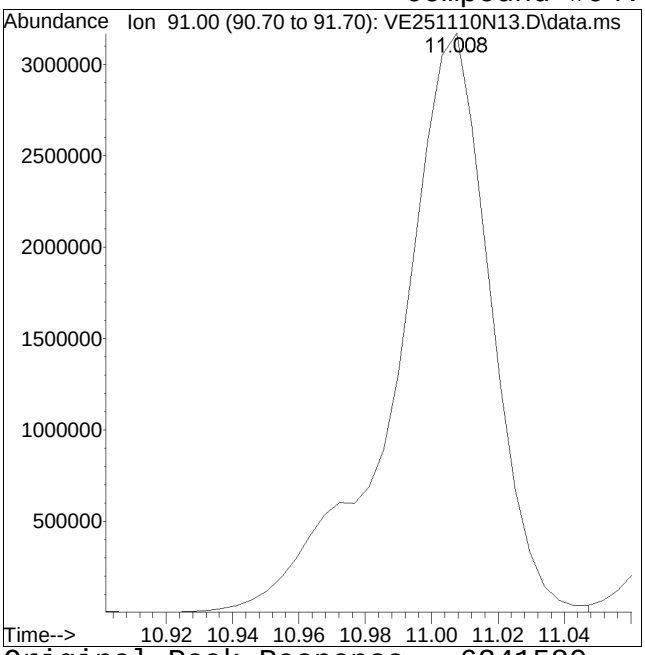
Manual Peak Response = 107265 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

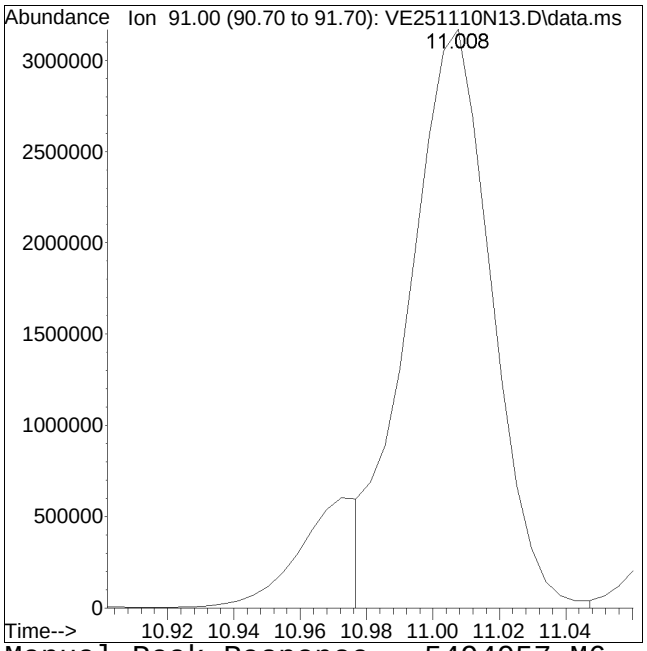
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N13.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 1:18 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 11/11/2025 1:19 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 6241580



Manual Peak Response = 5494057 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N18.D
Acq On : 11 Nov 2025 3:19 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 12:17:07 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:16:23 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene		1.000	1.000	0.0	111	0.00
2	TP	Dichlorodifluoromethane		0.328	0.295	10.1	80	0.00
3	TP	Chloromethane		0.438	0.474	-8.2	104	0.00
4	TP	Vinyl chloride		0.341	0.381	-11.7	98	0.00
5	TP	Bromomethane		0.156	0.139	10.9	104	0.00
6	TP	Chloroethane		0.222	0.261	-17.6	109	0.00
7	TP	Trichlorofluoromethane		0.404	0.439	-8.7	95	0.00
8	TP	Ethyl ether		0.132	0.129	2.3	110	0.00
10	TP	1,1-Dichloroethene		0.223	0.245	-9.9	104	0.00
11	TP	Carbon disulfide		0.755	0.778	-3.0	98	0.00
12	TP	Freon-113		0.212	0.231	-9.0	100	0.00
13	TP	Iodomethane	*	10.000	5.907	40.9#	75	0.00
14	TP	Acrolein		0.039	0.038	2.6	137	0.00
15	TP	Methylene chloride		0.271	0.277	-2.2	104	0.00
17	TP	Acetone		0.088	0.088	0.0	103	0.00
18	TP	trans-1,2-Dichloroethene		0.213	0.227	-6.6	105	0.00
19	TP	Methyl acetate		0.158	0.167	-5.7	120	0.00
21	TP	Methyl tert-butyl ether		0.495	0.433	12.5	106	0.00
22	TP	tert-Butyl alcohol		0.016	0.016	0.0	111	0.00
24	TP	Diisopropyl ether		1.055	0.996	5.6	107	0.00
25	TP	1,1-Dichloroethane		0.573	0.622	-8.6	106	0.00
26	TP	Halothane		0.152	0.156	-2.6	110	0.00
27	TP	Acrylonitrile		0.095	0.101	-6.3	124	0.00
28	TP	Ethyl tert-butyl ether	*	10.000	9.205	7.9	113	0.00
29	TP	Vinyl acetate		0.654	0.519	20.6#	106	0.00
30	TP	cis-1,2-Dichloroethene		0.256	0.253	1.2	101	0.00
31	TP	2,2-Dichloropropane		0.361	0.357	1.1	101	0.00
33	TP	Bromochloromethane		0.112	0.114	-1.8	101	0.00
34	TP	Cyclohexane		0.550	0.563	-2.4	100	0.00
35	TP	Chloroform	*	10.000	10.913	-9.1	107	0.00
36	TP	Ethyl acetate		0.229	0.228	0.4	117	0.00
37	TP	Carbon tetrachloride		0.273	0.281	-2.9	100	0.00
38	TP	Tetrahydrofuran		0.082	0.072	12.2	95	0.00
39	S	Dibromofluoromethane		0.276	0.282	-2.2	108	0.00
40	TP	1,1,1-Trichloroethane		0.345	0.360	-4.3	104	0.00
42	TP	2-Butanone		0.110	0.113	-2.7	115	0.00
43	TP	1,1-Dichloropropene		0.292	0.291	0.3	107	0.00
45	TP	Benzene		0.927	0.922	0.5	104	0.00
46	TP	tert-Amyl methyl ether		0.492	0.452	8.1	110	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N18.D
Acq On : 11 Nov 2025 3:19 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 12:17:07 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:16:23 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	S	1,2-Dichloroethane-d4	0.376	0.382	-1.6	109	0.00
48	T	1,2-Dichloroethane	0.383	0.376	1.8	110	0.00
51	TP	Methyl cyclohexane	0.378	0.348	7.9	104	0.00
52	TP	Trichloroethene	0.224	0.217	3.1	104	0.00
54	TP	Dibromomethane	0.138	0.139	-0.7	111	0.00
55	TP	1,2-Dichloropropane	0.294	0.280	4.8	107	0.00
57	TP	2-Chloroethyl vinyl ether	0.118	0.107	9.3	103	0.00
58	TP	Bromodichloromethane	0.318	0.292#	8.2	106	0.00
61	TP	1,4-Dioxane	0.00178	0.00183#	-2.8	112	0.00
62	TP	cis-1,3-Dichloropropene	0.350	0.335	4.3	107	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	S	Toluene-d8	1.338	1.384	-3.4	108	0.00
65	TP	Toluene	0.742	0.750	-1.1	102	0.00
66	TP	4-Methyl-2-pentanone	0.096	0.091	5.2	109	0.00
67	TP	Tetrachloroethene	* 10.000	9.331	6.7	95	0.00
69	TP	trans-1,3-Dichloropropene	* 10.000	8.859	11.4	112	0.00
71	TP	Ethyl methacrylate	0.308	0.322	-4.5	110	0.00
72	TP	1,1,2-Trichloroethane	0.193	0.183#	5.2	108	0.00
73	TP	Chlorodibromomethane	0.259	0.256	1.2	113	0.00
74	TP	1,3-Dichloropropane	0.428	0.414	3.3	107	0.00
75	TP	1,2-Dibromoethane	0.229	0.206	10.0	104	0.00
77	TP	2-Hexanone	0.230	0.255	-10.9	123	0.00
78	TP	Chlorobenzene	0.830	0.861	-3.7	104	0.00
79	TP	Ethylbenzene	1.550	1.611	-3.9	102	0.00
80	TP	1,1,1,2-Tetrachloroethane	0.252	0.236	6.3	105	0.00
81	TP	p/m Xylene	0.605	0.608	-0.5	100	0.00
82	TP	o Xylene	0.600	0.580	3.3	99	0.00
83	TP	Styrene	1.047	0.980	6.4	102	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
85	TP	Bromoform	* 10.000	8.383	16.2	106	0.00
87	TP	Isopropylbenzene	2.912	2.898	0.5	99	0.00
88	S	4-Bromofluorobenzene	0.953	0.961	-0.8	105	0.00
89	TP	Bromobenzene	0.605	0.588	2.8	100	0.00
90	TP	n-Propylbenzene	3.668	3.728	-1.6	101	0.00
91	TP	1,4-Dichlorobutane	1.193	1.175	1.5	106	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.549	0.523	4.7	102	0.00
93	TP	4-Ethyltoluene	2.861	2.936	-2.6	101	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N18.D
Acq On : 11 Nov 2025 3:19 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 12:17:07 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:16:23 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
94 TP	2-Chlorotoluene		2.210	2.237	-1.2	99	0.00
95 TP	1,3,5-Trimethylbenzene		2.564	2.475	3.5	99	0.00
96 TP	1,2,3-Trichloropropane		0.489	0.459	6.1	104	0.00
97 TP	trans-1,4-Dichloro-2-butene		0.247	0.236	4.5	105	0.00
98 TP	4-Chlorotoluene		2.235	2.311	-3.4	102	0.00
99 TP	tert-Butylbenzene		2.079	2.119	-1.9	100	0.00
102 TP	1,2,4-Trimethylbenzene		2.557	2.657	-3.9	105	0.00
103 TP	sec-Butylbenzene		3.183	3.189	-0.2	97	0.00
104 TP	p-Isopropyltoluene		2.668	2.667	0.0	100	0.00
105 TP	1,3-Dichlorobenzene		1.325	1.309	1.2	100	0.00
106 TP	1,4-Dichlorobenzene		1.314	1.308	0.5	102	0.00
107 TP	p-Diethylbenzene		1.577	1.507	4.4	94	0.00
108 TP	n-Butylbenzene		2.598	2.612	-0.5	98	0.00
109 TP	1,2-Dichlorobenzene		1.230	1.250	-1.6	101	0.00
110 TP	1,2,4,5-Tetramethylbenzene		2.667	2.500	6.3	99	0.00
111 TP	1,2-Dibromo-3-chloropropane	*	10.000	10.634	-6.3	111	0.00
112 TP	1,3,5-Trichlorobenzene		0.808	0.808	0.0	101	0.00
113 TP	Hexachlorobutadiene	*	10.000	9.737	2.6	99	0.00
114 TP	1,2,4-Trichlorobenzene		0.666	0.665	0.2	102	0.00
115 TP	Naphthalene		1.660	1.675	-0.9	105	0.00
116 TP	1,2,3-Trichlorobenzene		0.581	0.575	1.0	105	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N18.D
Acq On : 11 Nov 2025 3:19 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 12:17:07 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:16:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.634	96	215765	10.000	ug/L	0.00
Standard Area 1 = 194422			Recovery = 110.98%			
63) Chlorobenzene-d5	9.131	117	163912	10.000	ug/L	0.00
Standard Area 1 = 153144			Recovery = 107.03%			
84) 1,4-Dichlorobenzene-d4	11.911	152	89542	10.000	ug/L	0.00
Standard Area 1 = 86422			Recovery = 103.61%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.843	113	60763	10.218	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.18%			
47) 1,2-Dichloroethane-d4	5.353	65	82526	10.186	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.86%			
64) Toluene-d8	7.301	98	226862	10.342	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.42%			
88) 4-Bromofluorobenzene	10.668	95	86079	10.085	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.85%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.468	85	63544	8.986	ug/L	100
3) Chloromethane	1.640	50	102285	10.816	ug/L	95
4) Vinyl chloride	1.708	62	82222	11.166	ug/L	98
5) Bromomethane	1.984	94	29940	8.887	ug/L	93
6) Chloroethane	2.089	64	56399	11.759	ug/L	98
7) Trichlorofluoromethane	2.215	101	94688	10.871	ug/L	97
8) Ethyl ether	2.496	74	27850	9.777	ug/L	91
10) 1,1-Dichloroethene	2.677	96	52768	10.966	ug/L	94
11) Carbon disulfide	2.705	76	167787	10.303	ug/L	98
12) Freon-113	2.714	101	49939	10.938	ug/L	98
13) Iodomethane	2.804	142	17446	5.907	ug/L	90
14) Acrolein	2.976	56	8242	9.911	ug/L	94
15) Methylene chloride	3.203	84	59668	10.191	ug/L	97
17) Acetone	3.239	43	18907	9.988	ug/L #	90
18) trans-1,2-Dichloroethene	3.343	96	49058	10.680	ug/L	96
19) Methyl acetate	3.352	43	36114M6	10.618	ug/L	
21) Methyl tert-butyl ether	3.438	73	93504	8.758	ug/L #	100
22) tert-Butyl alcohol	3.534	59	17704	50.706	ug/L #	100
24) Diisopropyl ether	3.787	45	214918	9.441	ug/L	98
25) 1,1-Dichloroethane	3.905	63	134114	10.840	ug/L	98
26) Halothane	3.964	117	33604	10.226	ug/L	97

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N18.D
Acq On : 11 Nov 2025 3:19 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 12:17:07 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:16:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.950	53	21722	10.594	ug/L		97
28) Ethyl tert-butyl ether	4.122	59	148886	9.205	ug/L		96
29) Vinyl acetate	4.132	43	111905	7.935	ug/L		99
30) cis-1,2-Dichloroethene	4.408	96	54552	9.895	ug/L		96
31) 2,2-Dichloropropane	4.512	77	77120	9.898	ug/L		94
33) Bromochloromethane	4.594	128	24543	10.141	ug/L		98
34) Cyclohexane	4.598	56	121535	10.247	ug/L		100
35) Chloroform	4.671	83	107275	10.913	ug/L		97
36) Ethyl acetate	4.775	43	49218	9.960	ug/L		99
37) Carbon tetrachloride	4.797	117	60650M6	10.287	ug/L		
38) Tetrahydrofuran	4.811	42	15446M6	8.709	ug/L		
40) 1,1,1-Trichloroethane	4.865	97	77777	10.440	ug/L		99
42) 2-Butanone	4.952	43	24370	10.265	ug/L		95
43) 1,1-Dichloropropene	4.979	75	62852	9.970	ug/L		99
45) Benzene	5.221	78	198940	9.946	ug/L		99
46) tert-Amyl methyl ether	5.331	73	97443	9.182	ug/L		97
48) 1,2-Dichloroethane	5.423	62	81103	9.806	ug/L		98
51) Methyl cyclohexane	5.796	83	75007	9.196	ug/L		92
52) Trichloroethene	5.814	95	46857	9.713	ug/L		98
54) Dibromomethane	6.244	93	30044	10.106	ug/L		96
55) 1,2-Dichloropropane	6.336	63	60506	9.546	ug/L		97
57) 2-Chloroethyl vinyl ether	7.038	63	22979	8.995	ug/L		97
58) Bromodichloromethane	6.419	83	62969	9.171	ug/L		96
61) 1,4-Dioxane	6.621	88	19761	515.206	ug/L		96
62) cis-1,3-Dichloropropene	7.099	75	72253	9.575	ug/L		99
65) Toluene	7.363	92	122982	10.113	ug/L		97
66) 4-Methyl-2-pentanone	7.797	58	14947	9.505	ug/L		90
67) Tetrachloroethene	7.801	166	40395	9.331	ug/L		93
69) trans-1,3-Dichloropropene	7.845	75	64475	8.859	ug/L		99
71) Ethyl methacrylate	8.038	69	52711	10.437	ug/L		97
72) 1,1,2-Trichloroethane	8.025	83	30067	9.512	ug/L		98
73) Chlorodibromomethane	8.232	129	41913	9.855	ug/L		97
74) 1,3-Dichloropropane	8.350	76	67877	9.671	ug/L		99
75) 1,2-Dibromoethane	8.504	107	33835	9.027	ug/L		95
77) 2-Hexanone	8.798	43	41842	11.110	ug/L	#	92
78) Chlorobenzene	9.153	112	141195	10.379	ug/L		98
79) Ethylbenzene	9.192	91	264081	10.396	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.236	131	38671	9.379	ug/L		97
81) p/m Xylene	9.381	106	199269	20.085	ug/L		97
82) o Xylene	9.925	106	190156	19.340	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N18.D
Acq On : 11 Nov 2025 3:19 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 12:17:07 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:16:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	9.995	104	321155	18.705	ug/L	98
85) Bromoform	10.026	173	21556	8.383	ug/L	99
87) Isopropylbenzene	10.325	105	259483	9.952	ug/L	98
89) Bromobenzene	10.774	156	52665	9.725	ug/L	100
90) n-Propylbenzene	10.831	91	333854	10.164	ug/L	100
91) 1,4-Dichlorobutane	10.845	55	105172	9.842	ug/L	98
92) 1,1,2,2-Tetrachloroethane	10.928	83	46826	9.518	ug/L	92
93) 4-Ethyltoluene	10.963	105	262875	10.261	ug/L	99
94) 2-Chlorotoluene	11.003	91	200324M6	10.122	ug/L	
95) 1,3,5-Trimethylbenzene	11.069	105	221582	9.652	ug/L	99
96) 1,2,3-Trichloropropane	11.065	75	41127	9.399	ug/L	95
97) trans-1,4-Dichloro-2-b...	11.122	53	21142	9.546	ug/L	96
98) 4-Chlorotoluene	11.188	91	206919	10.337	ug/L	99
99) tert-Butylbenzene	11.417	119	189702	10.191	ug/L	99
102) 1,2,4-Trimethylbenzene	11.497	105	237871	10.389	ug/L	99
103) sec-Butylbenzene	11.607	105	285564	10.018	ug/L	100
104) p-Isopropyltoluene	11.774	119	238821	9.998	ug/L	98
105) 1,3-Dichlorobenzene	11.831	146	117227	9.883	ug/L	99
106) 1,4-Dichlorobenzene	11.928	146	117146	9.959	ug/L	99
107) p-Diethylbenzene	12.153	119	134933	9.553	ug/L	99
108) n-Butylbenzene	12.210	91	233891	10.055	ug/L	99
109) 1,2-Dichlorobenzene	12.356	146	111922	10.159	ug/L	97
110) 1,2,4,5-Tetramethylben...	12.955	119	223819	9.372	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.149	155	7587	10.634	ug/L	92
112) 1,3,5-Trichlorobenzene	13.175	180	72321	9.996	ug/L	98
113) Hexachlorobutadiene	13.757	225	18040	9.737	ug/L	95
114) 1,2,4-Trichlorobenzene	13.779	180	59508	9.976	ug/L	99
115) Naphthalene	14.069	128	149947	10.086	ug/L	100
116) 1,2,3-Trichlorobenzene	14.241	180	51512	9.900	ug/L	95

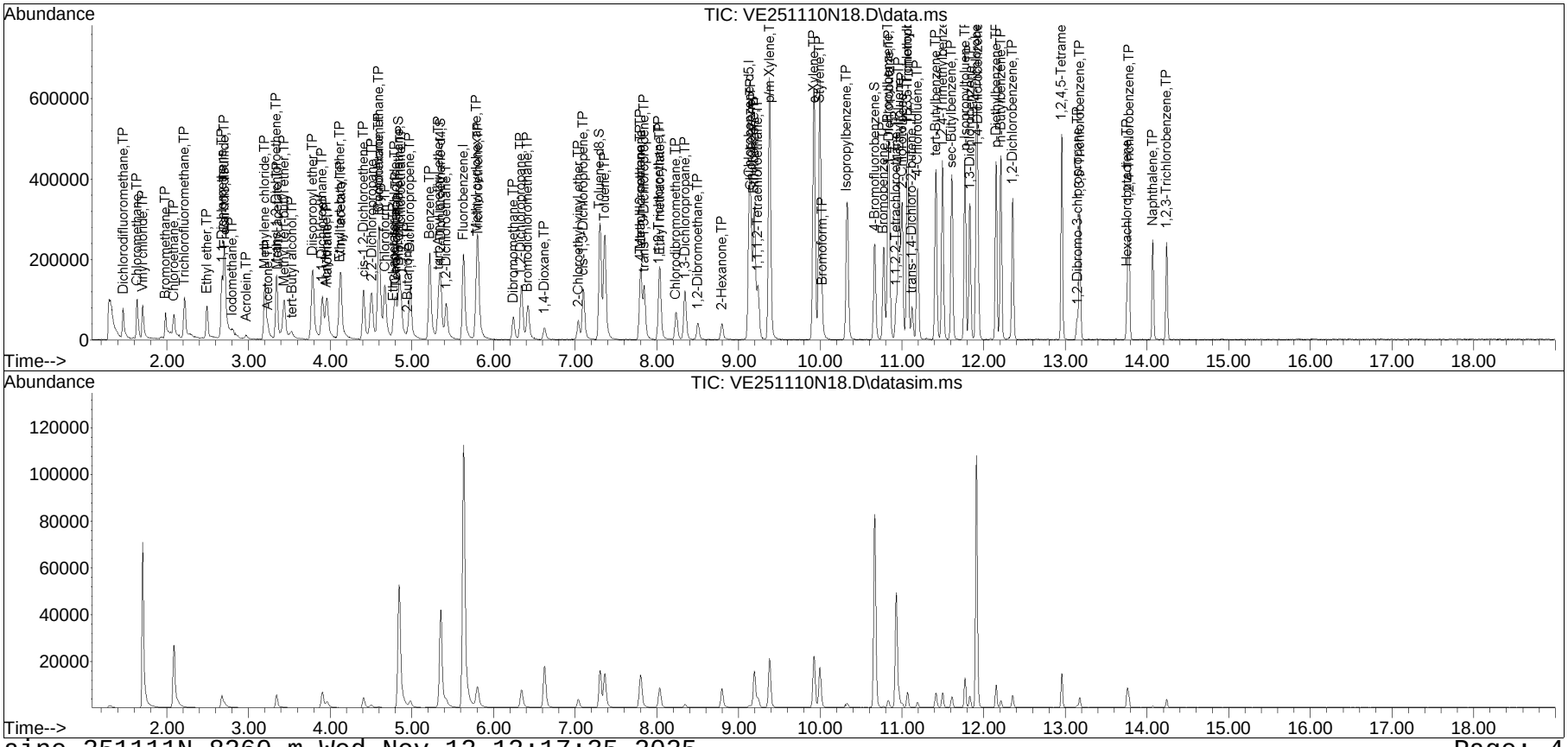
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N18.D
Acq On : 11 Nov 2025 3:19 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 12:17:07 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:16:23 2025
Response via : Initial Calibration

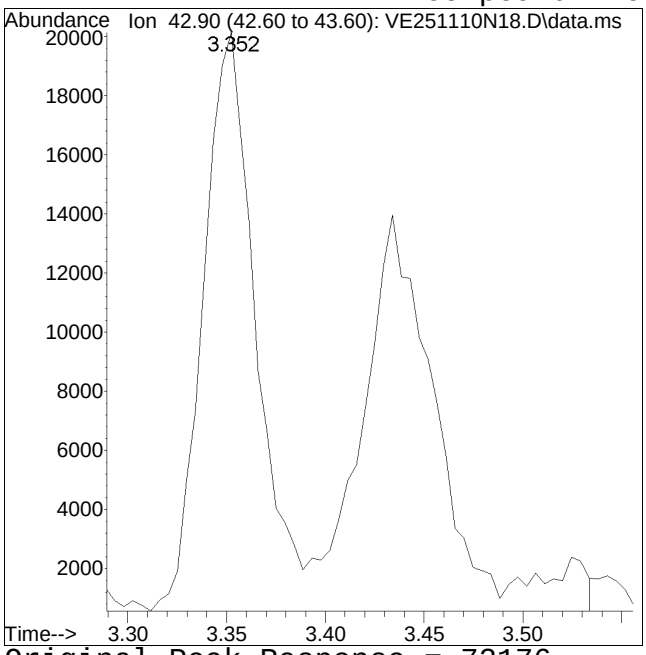
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



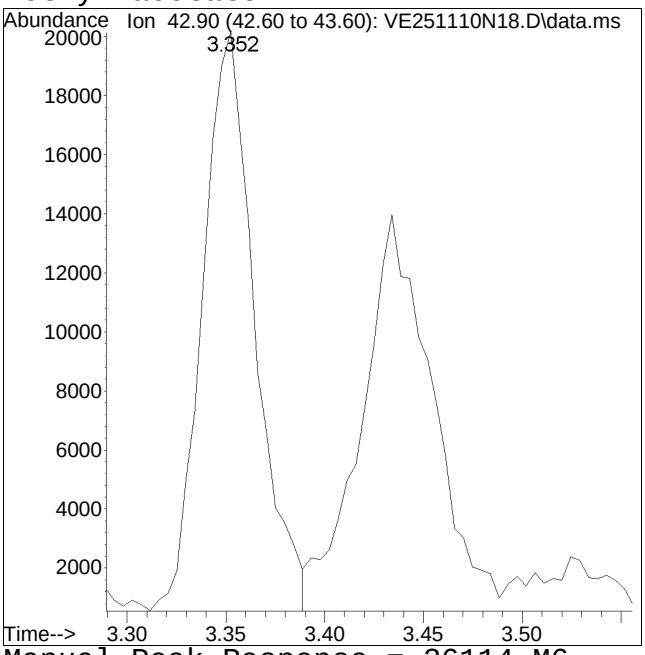
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N18.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 3:19 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 11/12/2025 12:16 pm

Compound #19: Methyl acetate



Original Peak Response = 72176



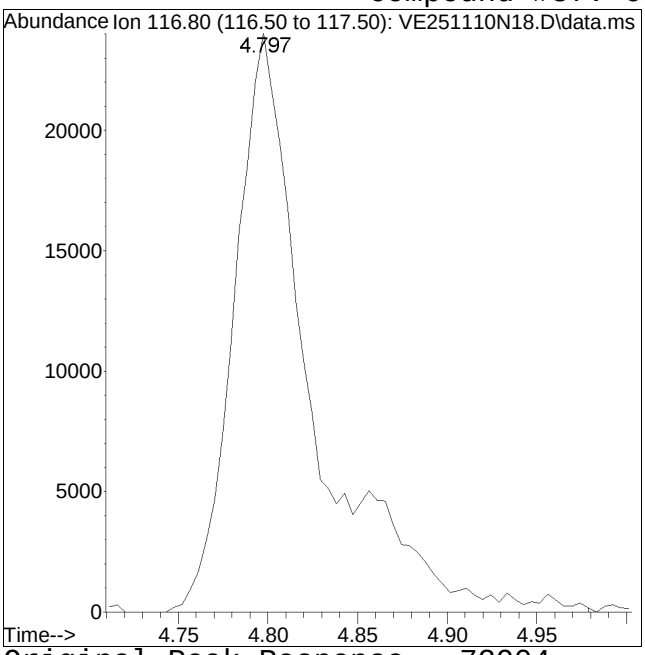
Manual Peak Response = 36114 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

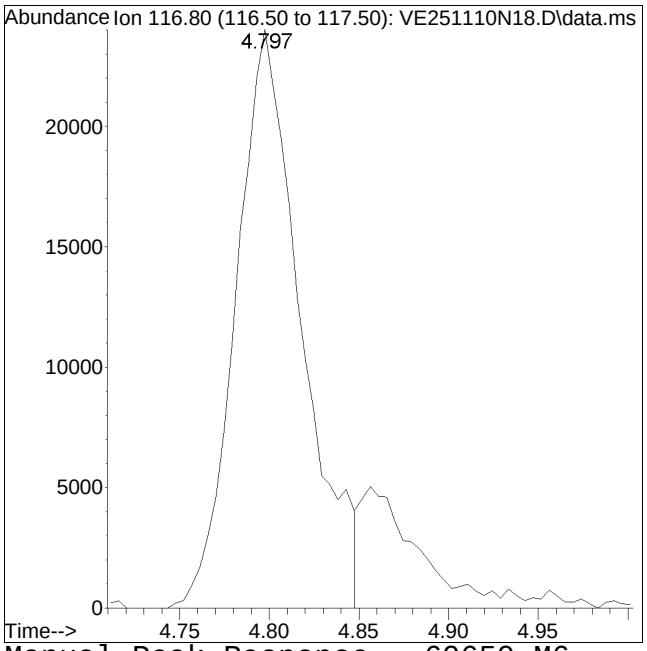
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N18.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 3:19 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 11/12/2025 12:16 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 72904



Manual Peak Response = 60650 M6

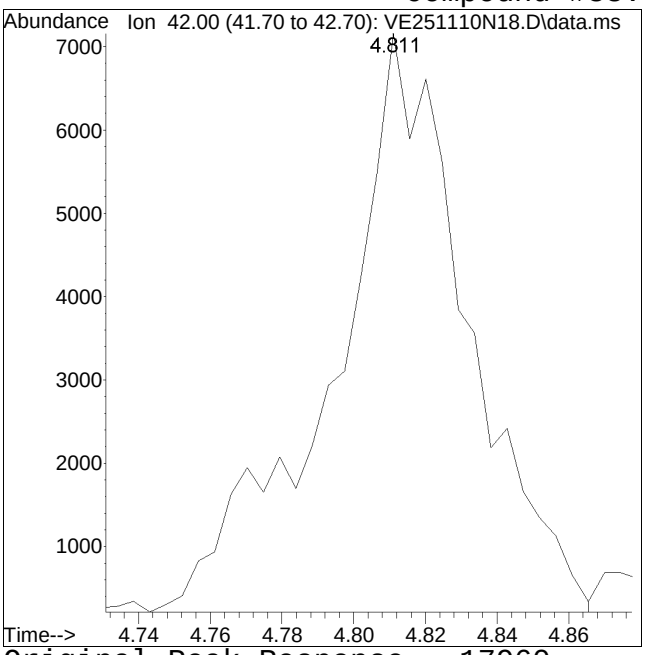
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

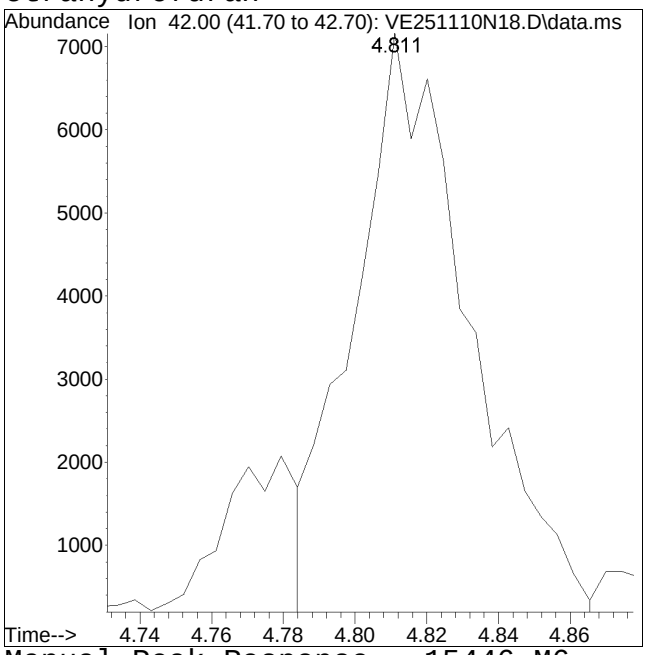
Data Path : K:\Elaine\2025\251110NICALQ
Data File : VE251110N18.D
Date Inj'd : 11/11/2025 3:19 am
Sample : C8260STD10PPB

Method : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 11/12/2025 12:16 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 17960



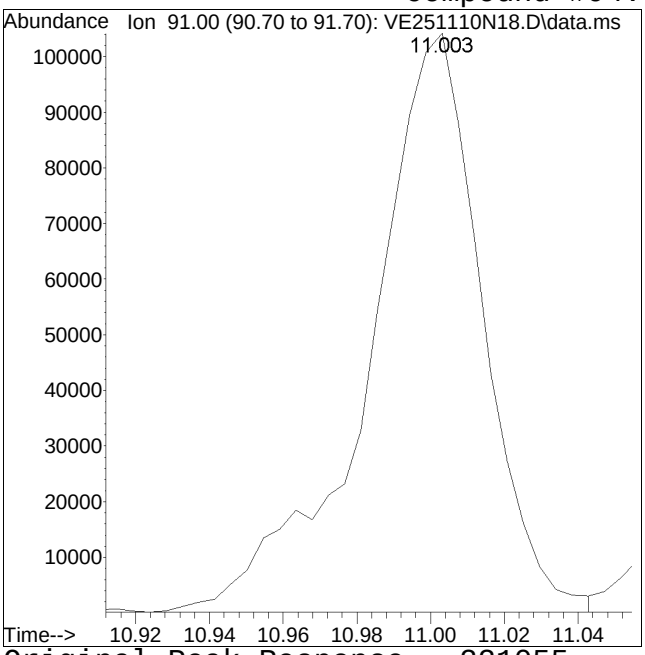
Manual Peak Response = 15446 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

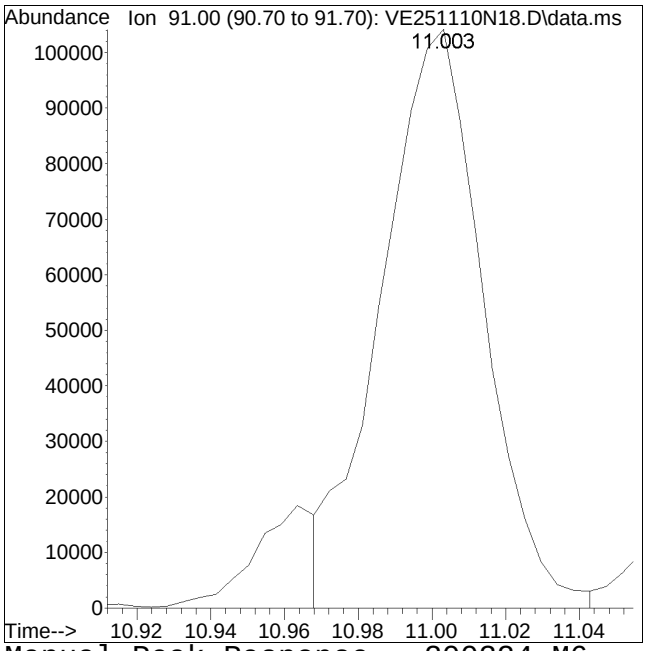
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N18.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 3:19 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 11/12/2025 12:16 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 221055



Manual Peak Response = 200324 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report Elaine

Method Path : K:\Elaine\2025\251110NICAL\
Method File : Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 12 12:15:18 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
13	TP Iodomethane	Q	ug/L	10.0	8.140	-18.6	2.00	2.440	22.0
28	TP Ethyl tert-butyl ether	Q	ug/L	10.0	9.026	-9.7	0.50	0.594	18.8
35	TP Chloroform	L	ug/L	10.0	11.298	13.0	0.50	0.375	-25.0
67	TP Tetrachloroethene	L	ug/L	10.0	10.450	4.5	0.19	0.204	7.4
69	TP trans-1,3-Dichloropropene	Q	ug/L	10.0	8.510	-14.9	0.19	0.236	24.2
85	TP Bromoform	Q	ug/L	10.0	8.191	-18.1	0.50	0.611	22.2
111	TP 1,2-Dibromo-3-chloropropane	L	ug/L	10.0	9.930	-0.7	0.50	0.525	5.0
113	TP Hexachlorobutadiene	L	ug/L	10.0	10.223	2.2	0.50	0.500	0.0

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
13	TP Iodomethane	Quadratic	0.997577	0.000850	0.176102	-0.0234718
28	TP Ethyl tert-butyl ether	Quadratic	0.999336	0.005883	0.767805	-0.0217356
35	TP Chloroform	Linear	0.998741	0.000000	0.430953	0.0268879
67	TP Tetrachloroethene	Linear	0.998706	0.000000	0.267191	-0.00288063
69	TP trans-1,3-Dichloropropene	Quadratic	0.998746	0.001027	0.451202	-0.00715902
85	TP Bromoform	Quadratic	0.998183	0.002586	0.296213	-0.0094106
111	TP 1,2-Dibromo-3-chloropropane	Linear	0.999188	0.000000	0.082117	-0.00258921
113	TP Hexachlorobutadiene	Linear	0.997663	0.000000	0.212099	-0.00504471

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Impact Environmental		Lab Number	: L2575357	
Project Name	: 5801 AMBOY RD STATEN ISLAND		Project Number	: 17518	
Instrument ID	: ELAINE		Calibration Date	: 12/05/25 07:32	
Lab File ID	: VE251205A01		Init. Calib. Date(s)	: 11/10/25	11/11/25
Sample No	: WG2150931-2		Init. Calib. Times	: 21:41	01:18
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	101	0
Dichlorodifluoromethane	0.328	0.391	-	-19.2	20	96	0
Chloromethane	0.438	0.433	-	1.1	20	86	0
Vinyl chloride	0.341	0.4	-	-17.3	20	93	0
Bromomethane	0.156	0.152	-	2.6	20	104	0
Chloroethane	0.222	0.257	-	-15.8	20	97	0
Trichlorofluoromethane	0.404	0.428	-	-5.9	20	84	0
Ethyl ether	0.132	0.103	-	22*	20	80	0
1,1-Dichloroethene	0.223	0.223	-	0	20	86	0
Carbon disulfide	0.755	0.918	-	-21.6*	20	105	0
Freon-113	0.212	0.215	-	-1.4	20	85	-.01
Acrolein	0.039	0.026	-	33.3*	20	85	-.01
Methylene chloride	0.271	0.3	-	-10.7	20	103	0
Acetone	0.088	0.072	-	18.2	20	76	0
trans-1,2-Dichloroethene	0.213	0.224	-	-5.2	20	94	0
Methyl acetate	0.158	0.142	-	10.1	20	92	0
Methyl tert-butyl ether	0.495	0.394	-	20.4*	20	87	-.01
tert-Butyl alcohol	0.016	0.013	-	18.8	20	82	0
Diisopropyl ether	1.055	1.025	-	2.8	20	100	-.01
1,1-Dichloroethane	0.573	0.652	-	-13.8	20	101	-.01
Halothane	0.152	0.148	-	2.6	20	95	-.02
Acrylonitrile	0.095	0.079	-	16.8	20	88	0
Ethyl tert-butyl ether	10	8.307	-	16.9	20	92	-.01
Vinyl acetate	0.654	0.576	-	11.9	20	106	0
cis-1,2-Dichloroethene	0.256	0.26	-	-1.6	20	94	-.01
2,2-Dichloropropane	0.361	0.413	-	-14.4	20	105	0
Bromochloromethane	0.112	0.133	-	-18.8	20	107	-.01
Cyclohexane	0.55	0.561	-	-2	20	91	-.01
Chloroform	10	10.455	-	-4.6	20	94	0
Ethyl acetate	0.229	0.183	-	20.1*	20	85	0
Carbon tetrachloride	0.273	0.306	-	-12.1	20	99	0
Tetrahydrofuran	0.082	0.079	-	3.7	20	94	0
Dibromofluoromethane	0.276	0.269	-	2.5	20	93	0
1,1,1-Trichloroethane	0.345	0.391	-	-13.3	20	102	-.01
2-Butanone	0.11	0.082	-	25.5*	20	76	0
1,1-Dichloropropene	0.292	0.289	-	1	20	96	0
Benzene	0.927	0.957	-	-3.2	20	98	-.01
tert-Amyl methyl ether	0.492	0.426	-	13.4	20	94	-.01
1,2-Dichloroethane-d4	0.376	0.376	-	0	20	97	-.01
1,2-Dichloroethane	0.383	0.381	-	0.5	20	101	-.01
Methyl cyclohexane	0.378	0.387	-	-2.4	20	105	0
Trichloroethene	0.224	0.22	-	1.8	20	96	-.01
Dibromomethane	0.138	0.134	-	2.9	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Impact Environmental		Lab Number	: L2575357	
Project Name	: 5801 AMBOY RD STATEN ISLAND		Project Number	: 17518	
Instrument ID	: ELAINE		Calibration Date	: 12/05/25 07:32	
Lab File ID	: VE251205A01		Init. Calib. Date(s)	: 11/10/25	11/11/25
Sample No	: WG2150931-2		Init. Calib. Times	: 21:41	01:18
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.294	0.279	-	5.1	20	96	-.01
Bromodichloromethane	0.318	0.304	-	4.4	20	100	-.01
1,4-Dioxane	0.00178	0.00169*	-	5.1	20	94	-.01
cis-1,3-Dichloropropene	0.35	0.327	-	6.6	20	95	0
Chlorobenzene-d5	1	1	-	0	20	112	0
Toluene-d8	1.338	1.301	-	2.8	20	106	-.01
Toluene	0.742	0.741	-	0.1	20	106	-.01
4-Methyl-2-pentanone	0.096	0.065	-	32.3*	20	81	0
Tetrachloroethene	10	10.516	-	-5.2	20	112	0
trans-1,3-Dichloropropene	10	7.488	-	25.1*	20	98	0
Ethyl methacrylate	0.308	0.234	-	24*	20	84	0
1,1,2-Trichloroethane	0.193	0.156*	-	19.2	20	96	-.01
Chlorodibromomethane	0.259	0.217	-	16.2	20	100	0
1,3-Dichloropropane	0.428	0.348	-	18.7	20	94	-.01
1,2-Dibromoethane	0.229	0.186*	-	18.8	20	98	-.01
2-Hexanone	0.23	0.166	-	27.8*	20	84	0
Chlorobenzene	0.83	0.847	-	-2	20	107	0
Ethylbenzene	1.55	1.608	-	-3.7	20	107	0
1,1,1,2-Tetrachloroethane	0.252	0.242	-	4	20	113	-.01
p/m Xylene	0.605	0.616	-	-1.8	20	106	0
o Xylene	0.6	0.615	-	-2.5	20	110	0
Styrene	1.047	0.994	-	5.1	20	108	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	114	0
Bromoform	10	7.823	-	21.8*	20	108	0
Isopropylbenzene	2.912	2.814	-	3.4	20	105	0
4-Bromofluorobenzene	0.953	0.873	-	8.4	20	104	0
Bromobenzene	0.605	0.573	-	5.3	20	107	0
n-Propylbenzene	3.668	3.635	-	0.9	20	108	0
1,4-Dichlorobutane	1.193	1.012	-	15.2	20	100	0
1,1,2,2-Tetrachloroethane	0.549	0.459	-	16.4	20	99	0
4-Ethyltoluene	2.861	2.968	-	-3.7	20	112	0
2-Chlorotoluene	2.21	2.18	-	1.4	20	106	0
1,3,5-Trimethylbenzene	2.564	2.48	-	3.3	20	109	0
1,2,3-Trichloropropane	0.489	0.384	-	21.5*	20	96	0
trans-1,4-Dichloro-2-buten	0.247	0.199	-	19.4	20	97	0
4-Chlorotoluene	2.235	2.239	-	-0.2	20	109	0
tert-Butylbenzene	2.079	2.082	-	-0.1	20	108	0
1,2,4-Trimethylbenzene	2.557	2.508	-	1.9	20	109	0
sec-Butylbenzene	3.183	3.243	-	-1.9	20	109	0
p-Isopropyltoluene	2.668	2.676	-	-0.3	20	110	0
1,3-Dichlorobenzene	1.325	1.329	-	-0.3	20	112	0
1,4-Dichlorobenzene	1.314	1.269	-	3.4	20	108	0
p-Diethylbenzene	1.577	1.525	-	3.3	20	105	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Impact Environmental		**Lab Number**	: L2575357	
Project Name	: 5801 AMBOY RD STATEN ISLAND		**Project Number**	: 17518	
Instrument ID	: ELAINE		**Calibration Date**	: 12/05/25 07:32	
Lab File ID	: VE251205A01		**Init. Calib. Date(s)**	: 11/10/25	11/11/25
Sample No	: WG2150931-2		**Init. Calib. Times**	: 21:41	01:18
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.598	2.552	-	1.8	20	105	0
1,2-Dichlorobenzene	1.23	1.219	-	0.9	20	108	0
1,2,4,5-Tetramethylbenzene	2.667	2.328	-	12.7	20	101	0
1,2-Dibromo-3-chloropropan	10	8.317	-	16.8	20	95	0
1,3,5-Trichlorobenzene	0.808	0.854	-	-5.7	20	117	0
Hexachlorobutadiene	10	11.653	-	-16.5	20	130	0
1,2,4-Trichlorobenzene	0.666	0.64	-	3.9	20	108	0
Naphthalene	1.66	1.302	-	21.6*	20	90	0
1,2,3-Trichlorobenzene	0.581	0.531	-	8.6	20	106	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Acq On : 5 Dec 2025 7:32 am
Operator : ELAINE:PID
Sample : WG2150931-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:00:02 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene		1.000	1.000	0.0	101	0.00
2	TP	Dichlorodifluoromethane		0.328	0.391	-19.2	96	0.00
3	TP	Chloromethane		0.438	0.433	1.1	86	0.00
4	TP	Vinyl chloride		0.341	0.400	-17.3	93	0.00
5	TP	Bromomethane		0.156	0.152	2.6	104	0.00
6	TP	Chloroethane		0.222	0.257	-15.8	97	0.00
7	TP	Trichlorofluoromethane		0.404	0.428	-5.9	84	0.00
8	TP	Ethyl ether		0.132	0.103	22.0#	80	0.00
10	TP	1,1-Dichloroethene		0.223	0.223	0.0	86	0.00
11	TP	Carbon disulfide		0.755	0.918	-21.6#	105	0.00
12	TP	Freon-113		0.212	0.215	-1.4	85	-0.01
14	TP	Acrolein		0.039	0.026	33.3#	85	-0.01
15	TP	Methylene chloride		0.271	0.300	-10.7	103	0.00
17	TP	Acetone		0.088	0.072	18.2	76	0.00
18	TP	trans-1,2-Dichloroethene		0.213	0.224	-5.2	94	0.00
19	TP	Methyl acetate		0.158	0.142	10.1	92	0.00
21	TP	Methyl tert-butyl ether		0.495	0.394	20.4#	87	-0.01
22	TP	tert-Butyl alcohol		0.016	0.013	18.8	82	0.00
24	TP	Diisopropyl ether		1.055	1.025	2.8	100	-0.01
25	TP	1,1-Dichloroethane		0.573	0.652	-13.8	101	-0.01
26	TP	Halothane		0.152	0.148	2.6	95	-0.02
27	TP	Acrylonitrile		0.095	0.079	16.8	88	0.00
28	TP	Ethyl tert-butyl ether	*	10.000	8.307	16.9	92	-0.01
29	TP	Vinyl acetate		0.654	0.576	11.9	106	0.00
30	TP	cis-1,2-Dichloroethene		0.256	0.260	-1.6	94	-0.01
31	TP	2,2-Dichloropropane		0.361	0.413	-14.4	105	0.00
33	TP	Bromochloromethane		0.112	0.133	-18.8	107	-0.01
34	TP	Cyclohexane		0.550	0.561	-2.0	91	-0.01
35	TP	Chloroform	*	10.000	10.455	-4.6	94	0.00
36	TP	Ethyl acetate		0.229	0.183	20.1#	85	0.00
37	TP	Carbon tetrachloride		0.273	0.306	-12.1	99	0.00
38	TP	Tetrahydrofuran		0.082	0.079	3.7	94	0.00
39	S	Dibromofluoromethane		0.276	0.269	2.5	93	0.00
40	TP	1,1,1-Trichloroethane		0.345	0.391	-13.3	102	-0.01
42	TP	2-Butanone		0.110	0.082	25.5#	76	0.00
43	TP	1,1-Dichloropropene		0.292	0.289	1.0	96	0.00
45	TP	Benzene		0.927	0.957	-3.2	98	-0.01
46	TP	tert-Amyl methyl ether		0.492	0.426	13.4	94	-0.01
47	S	1,2-Dichloroethane-d4		0.376	0.376	0.0	97	-0.01

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Acq On : 5 Dec 2025 7:32 am
Operator : ELAINE:PID
Sample : WG2150931-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:00:02 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	T	1,2-Dichloroethane	0.383	0.381	0.5	101	-0.01
51	TP	Methyl cyclohexane	0.378	0.387	-2.4	105	0.00
52	TP	Trichloroethene	0.224	0.220	1.8	96	-0.01
54	TP	Dibromomethane	0.138	0.134	2.9	97	0.00
55	TP	1,2-Dichloropropane	0.294	0.279	5.1	96	-0.01
58	TP	Bromodichloromethane	0.318	0.304	4.4	100	-0.01
61	TP	1,4-Dioxane	0.00178	0.00169#	5.1	94	-0.01
62	TP	cis-1,3-Dichloropropene	0.350	0.327	6.6	95	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	112	0.00
64	S	Toluene-d8	1.338	1.301	2.8	106	-0.01
65	TP	Toluene	0.742	0.741	0.1	106	-0.01
66	TP	4-Methyl-2-pentanone	0.096	0.065	32.3#	81	0.00
67	TP	Tetrachloroethene	* 10.000	10.516	-5.2	112	0.00
69	TP	trans-1,3-Dichloropropene	* 10.000	7.488	25.1#	98	0.00
71	TP	Ethyl methacrylate	0.308	0.234	24.0#	84	0.00
72	TP	1,1,2-Trichloroethane	0.193	0.156#	19.2	96	-0.01
73	TP	Chlorodibromomethane	0.259	0.217	16.2	100	0.00
74	TP	1,3-Dichloropropane	0.428	0.348	18.7	94	-0.01
75	TP	1,2-Dibromoethane	0.229	0.186#	18.8	98	-0.01
77	TP	2-Hexanone	0.230	0.166	27.8#	84	0.00
78	TP	Chlorobenzene	0.830	0.847	-2.0	107	0.00
79	TP	Ethylbenzene	1.550	1.608	-3.7	107	0.00
80	TP	1,1,1,2-Tetrachloroethane	0.252	0.242	4.0	113	-0.01
81	TP	p/m Xylene	0.605	0.616	-1.8	106	0.00
82	TP	o Xylene	0.600	0.615	-2.5	110	0.00
83	TP	Styrene	1.047	0.994	5.1	108	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00
85	TP	Bromoform	* 10.000	7.823	21.8#	108	0.00
87	TP	Isopropylbenzene	2.912	2.814	3.4	105	0.00
88	S	4-Bromofluorobenzene	0.953	0.873	8.4	104	0.00
89	TP	Bromobenzene	0.605	0.573	5.3	107	0.00
90	TP	n-Propylbenzene	3.668	3.635	0.9	108	0.00
91	TP	1,4-Dichlorobutane	1.193	1.012	15.2	100	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.549	0.459	16.4	99	0.00
93	TP	4-Ethyltoluene	2.861	2.968	-3.7	112	0.00
94	TP	2-Chlorotoluene	2.210	2.180	1.4	106	0.00
95	TP	1,3,5-Trimethylbenzene	2.564	2.480	3.3	109	0.00

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Acq On : 5 Dec 2025 7:32 am
Operator : ELAINE:PID
Sample : WG2150931-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:00:02 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
96 TP	1,2,3-Trichloropropane		0.489	0.384	21.5#	96	0.00
97 TP	trans-1,4-Dichloro-2-butene		0.247	0.199	19.4	97	0.00
98 TP	4-Chlorotoluene		2.235	2.239	-0.2	109	0.00
99 TP	tert-Butylbenzene		2.079	2.082	-0.1	108	0.00
102 TP	1,2,4-Trimethylbenzene		2.557	2.508	1.9	109	0.00
103 TP	sec-Butylbenzene		3.183	3.243	-1.9	109	0.00
104 TP	p-Isopropyltoluene		2.668	2.676	-0.3	110	0.00
105 TP	1,3-Dichlorobenzene		1.325	1.329	-0.3	112	0.00
106 TP	1,4-Dichlorobenzene		1.314	1.269	3.4	108	0.00
107 TP	p-Diethylbenzene		1.577	1.525	3.3	105	0.00
108 TP	n-Butylbenzene		2.598	2.552	1.8	105	0.00
109 TP	1,2-Dichlorobenzene		1.230	1.219	0.9	108	0.00
110 TP	1,2,4,5-Tetramethylbenzene		2.667	2.328	12.7	101	0.00
111 TP	1,2-Dibromo-3-chloropropane	*	10.000	8.317	16.8	95	0.00
112 TP	1,3,5-Trichlorobenzene		0.808	0.854	-5.7	117	0.00
113 TP	Hexachlorobutadiene	*	10.000	11.653	-16.5	130	0.00
114 TP	1,2,4-Trichlorobenzene		0.666	0.640	3.9	108	0.00
115 TP	Naphthalene		1.660	1.302	21.6#	90	0.00
116 TP	1,2,3-Trichlorobenzene		0.581	0.531	8.6	106	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Acq On : 5 Dec 2025 7:32 am
Operator : ELAINE:PID
Sample : WG2150931-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:00:02 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.625	96	195864	10.000	ug/L	0.00
63) Chlorobenzene-d5	9.122	117	171189	10.000	ug/L	0.00
84) 1,4-Dichlorobenzene-d4	11.906	152	98243	10.000	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	4.834	113	52672	9.757	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.57%			
47) 1,2-Dichloroethane-d4	5.340	65	73572	10.003	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.03%			
64) Toluene-d8	7.293	98	222783	9.724	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.24%			
88) 4-Bromofluorobenzene	10.660	95	85774	9.159	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.59%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.463	85	76527	11.922	ug/L	97
3) Chloromethane	1.636	50	84862	9.886	ug/L	96
4) Vinyl chloride	1.704	62	78269	11.709	ug/L	99
5) Bromomethane	1.980	94	29867	9.766	ug/L	93
6) Chloroethane	2.089	64	50251	11.541	ug/L	99
7) Trichlorofluoromethane	2.215	101	83732	10.590	ug/L	99
8) Ethyl ether	2.487	74	20268	7.838	ug/L	93
10) 1,1-Dichloroethene	2.668	96	43730	10.011	ug/L	99
11) Carbon disulfide	2.700	76	179743	12.159	ug/L	96
12) Freon-113	2.700	101	42038	10.143	ug/L	93
14) Acrolein	2.967	56	5128	6.793	ug/L	98
15) Methylene chloride	3.194	84	58672	11.039	ug/L	99
17) Acetone	3.226	43	14011M4	8.154	ug/L	
18) trans-1,2-Dichloroethene	3.339	96	43934	10.537	ug/L	96
19) Methyl acetate	3.343	43	27757	8.990	ug/L #	93
21) Methyl tert-butyl ether	3.429	73	77111	7.956	ug/L #	89
22) tert-Butyl alcohol	3.525	59	13171	41.556	ug/L #	100
24) Diisopropyl ether	3.778	45	200847	9.719	ug/L	99
25) 1,1-Dichloroethane	3.896	63	127767	11.376	ug/L	99
26) Halothane	3.950	117	29000	9.722	ug/L #	74
27) Acrylonitrile	3.941	53	15511	8.334	ug/L	93
28) Ethyl tert-butyl ether	4.114	59	121464	8.307	ug/L	92
29) Vinyl acetate	4.123	43	112836	8.814	ug/L	99
30) cis-1,2-Dichloroethene	4.399	96	51000	10.191	ug/L	86
31) 2,2-Dichloropropane	4.494	77	80857	11.432	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Acq On : 5 Dec 2025 7:32 am
Operator : ELAINE:PID
Sample : WG2150931-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:00:02 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
33) Bromochloromethane	4.585	128	25967	11.819	ug/L	#	73
34) Cyclohexane	4.589	56	109873	10.205	ug/L		94
35) Chloroform	4.662	83	93514	10.455	ug/L		97
36) Ethyl acetate	4.775	43	35842	7.990	ug/L		97
37) Carbon tetrachloride	4.793	117	60030	11.216	ug/L		86
38) Tetrahydrofuran	4.807	42	15391M6	9.559	ug/L		
40) 1,1,1-Trichloroethane	4.847	97	76515	11.314	ug/L		97
42) 2-Butanone	4.947	43	16106	7.473	ug/L	#	73
43) 1,1-Dichloropropene	4.974	75	56695	9.907	ug/L		100
45) Benzene	5.213	78	187389	10.320	ug/L		99
46) tert-Amyl methyl ether	5.322	73	83455	8.663	ug/L		95
48) 1,2-Dichloroethane	5.414	62	74548	9.929	ug/L		97
51) Methyl cyclohexane	5.792	83	75766	10.232	ug/L		99
52) Trichloroethene	5.801	95	43141	9.851	ug/L		96
54) Dibromomethane	6.231	93	26165	9.696	ug/L		96
55) 1,2-Dichloropropane	6.332	63	54681	9.503	ug/L		98
58) Bromodichloromethane	6.415	83	59568	9.558	ug/L		96
61) 1,4-Dioxane	6.608	88	16566	475.791	ug/L		91
62) cis-1,3-Dichloropropene	7.095	75	64088	9.356	ug/L		98
65) Toluene	7.350	92	126872	9.989	ug/L		97
66) 4-Methyl-2-pentanone	7.788	58	11130	6.777	ug/L		88
67) Tetrachloroethene	7.797	166	47605	10.516	ug/L		97
69) trans-1,3-Dichloropropene	7.841	75	56712	7.488	ug/L		98
71) Ethyl methacrylate	8.038	69	40072	7.597	ug/L		86
72) 1,1,2-Trichloroethane	8.017	83	26716	8.093	ug/L		96
73) Chlorodibromomethane	8.227	129	37119	8.356	ug/L		98
74) 1,3-Dichloropropane	8.332	76	59591	8.129	ug/L		100
75) 1,2-Dibromoethane	8.495	107	31885	8.145	ug/L		98
77) 2-Hexanone	8.784	43	28406	7.222	ug/L		92
78) Chlorobenzene	9.149	112	145009	10.207	ug/L		99
79) Ethylbenzene	9.184	91	275324	10.378	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.228	131	41368	9.606	ug/L		99
81) p/m Xylene	9.372	106	210767	20.341	ug/L		97
82) o Xylene	9.917	106	210545	20.504	ug/L		96
83) Styrene	9.991	104	340396	18.983	ug/L		98
85) Bromoform	10.013	173	21997	7.823	ug/L		96
87) Isopropylbenzene	10.325	105	276476	9.665	ug/L		99
89) Bromobenzene	10.774	156	56332	9.481	ug/L		100
90) n-Propylbenzene	10.827	91	357113	9.910	ug/L		99
91) 1,4-Dichlorobutane	10.840	55	99447	8.482	ug/L		97
92) 1,1,2,2-Tetrachloroethane	10.928	83	45112	8.357	ug/L		99

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Acq On : 5 Dec 2025 7:32 am
Operator : ELAINE:PID
Sample : WG2150931-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:00:02 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 4-Ethyltoluene	10.959	105	291539	10.372	ug/L	99
94) 2-Chlorotoluene	10.994	91	214190M6	9.864	ug/L	
95) 1,3,5-Trimethylbenzene	11.060	105	243605	9.671	ug/L	99
96) 1,2,3-Trichloropropane	11.060	75	37687	7.850	ug/L	96
97) trans-1,4-Dichloro-2-b...	11.122	53	19541	8.042	ug/L	98
98) 4-Chlorotoluene	11.188	91	219966	10.016	ug/L	99
99) tert-Butylbenzene	11.413	119	204560	10.016	ug/L	98
102) 1,2,4-Trimethylbenzene	11.492	105	246372	9.807	ug/L	100
103) sec-Butylbenzene	11.607	105	318625	10.188	ug/L	98
104) p-Isopropyltoluene	11.765	119	262915	10.032	ug/L	98
105) 1,3-Dichlorobenzene	11.827	146	130574	10.034	ug/L	96
106) 1,4-Dichlorobenzene	11.924	146	124694	9.662	ug/L	99
107) p-Diethylbenzene	12.149	119	149847	9.669	ug/L	95
108) n-Butylbenzene	12.206	91	250758	9.825	ug/L	96
109) 1,2-Dichlorobenzene	12.351	146	119741	9.906	ug/L	99
110) 1,2,4,5-Tetramethylben...	12.955	119	228678	8.727	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.140	155	6455	8.317	ug/L	92
112) 1,3,5-Trichlorobenzene	13.171	180	83875	10.566	ug/L	98
113) Hexachlorobutadiene	13.757	225	23785	11.653	ug/L	95
114) 1,2,4-Trichlorobenzene	13.774	180	62853	9.603	ug/L	99
115) Naphthalene	14.065	128	127884	7.840	ug/L	100
116) 1,2,3-Trichlorobenzene	14.241	180	52145	9.134	ug/L	100

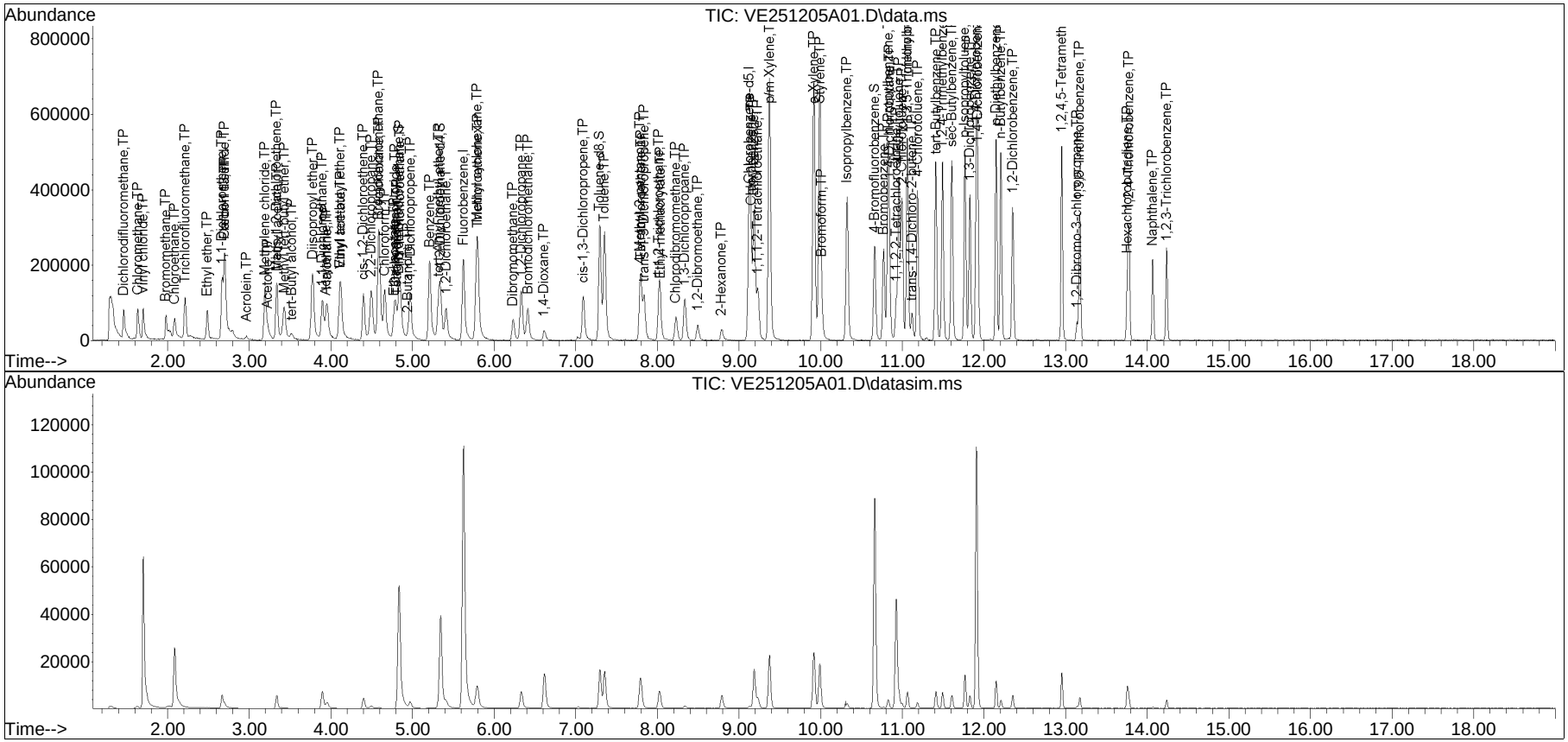
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Acq On : 5 Dec 2025 7:32 am
Operator : ELAINE:PID
Sample : WG2150931-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:00:02 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

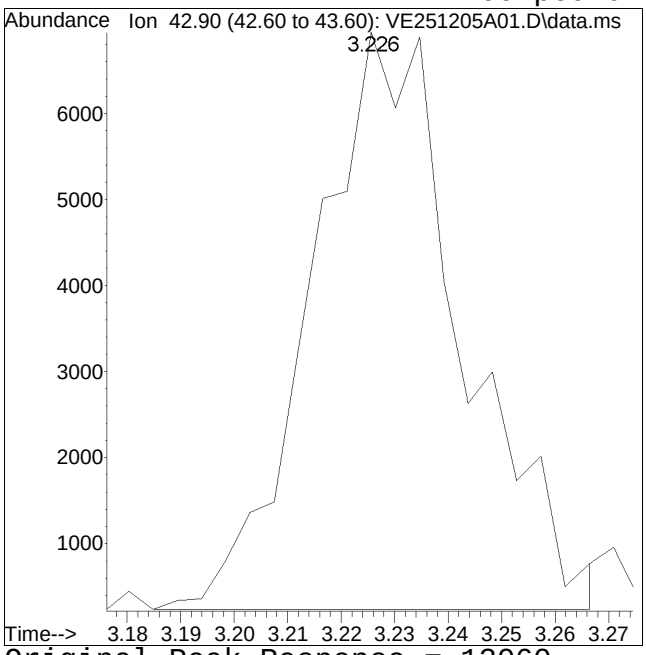
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



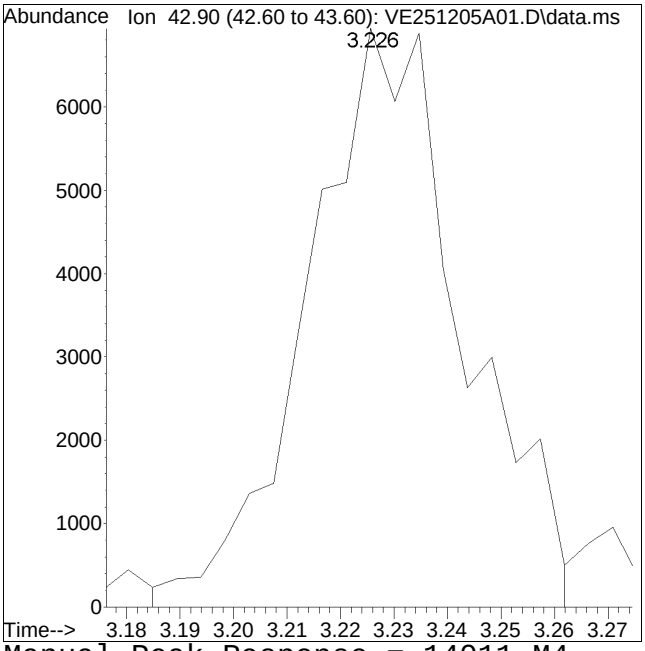
Manual Integration Report

Data Path	: K:\Elaine\2025\251205A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251205A01.D	Operator	: ELAINE:PID
Date Inj'd	: 12/5/2025 7:32 am	Instrument	: Elaine
Sample	: WG2150931-2	Quant Date	: 12/5/2025 7:58 am

Compound #17: Acetone



Original Peak Response = 13060



Manual Peak Response = 14011 M4

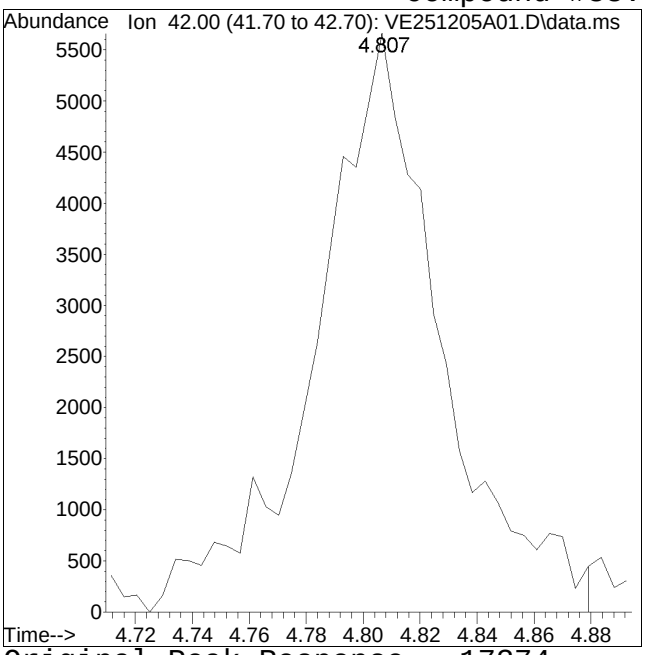
M4 = Poor automated baseline construction.

Manual Integration Report

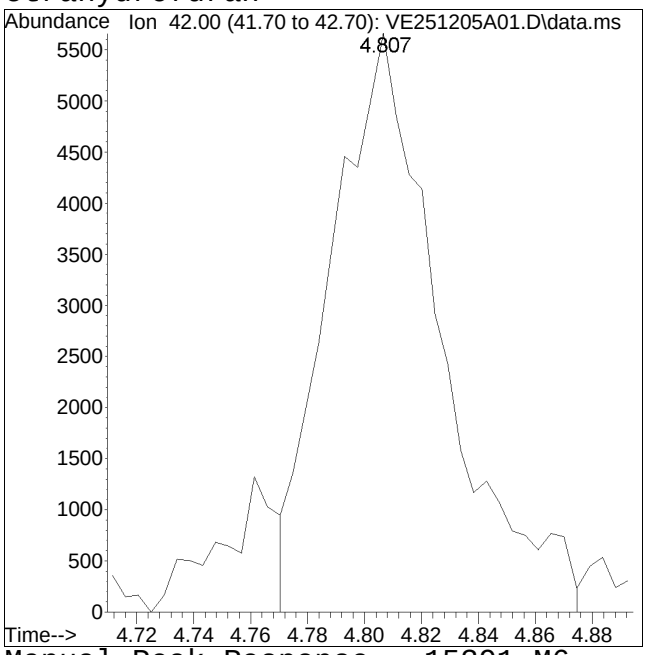
Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Date Inj'd : 12/5/2025 7:32 am
Sample : WG2150931-2

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 12/5/2025 7:58 am

Compound #38: Tetrahydrofuran



Original Peak Response = 17374



Manual Peak Response = 15391 M6

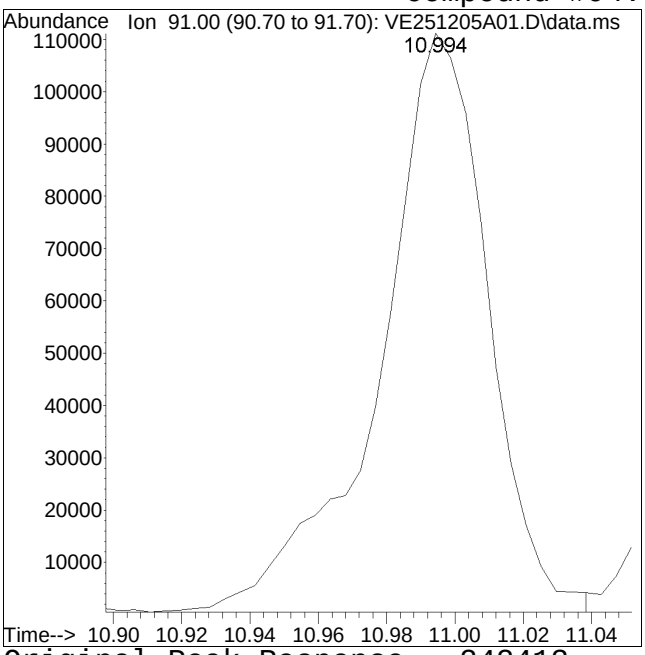
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

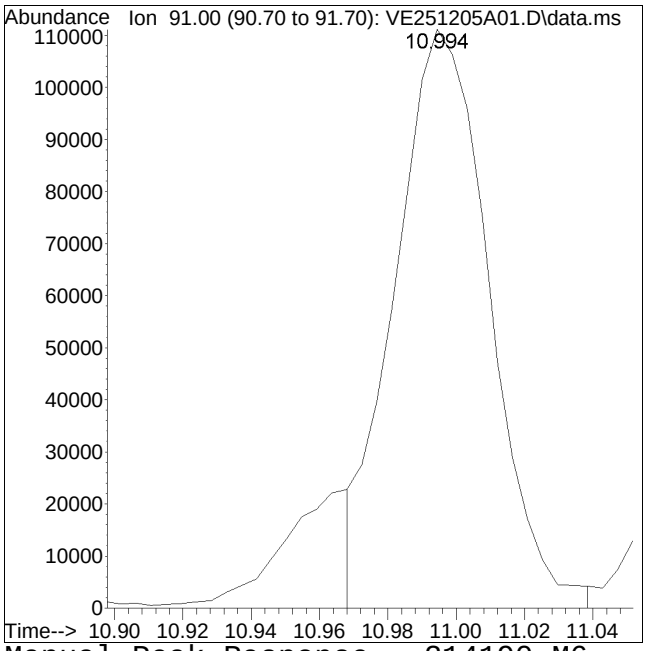
Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Date Inj'd : 12/5/2025 7:32 am
Sample : WG2150931-2

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 12/5/2025 7:58 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 242413



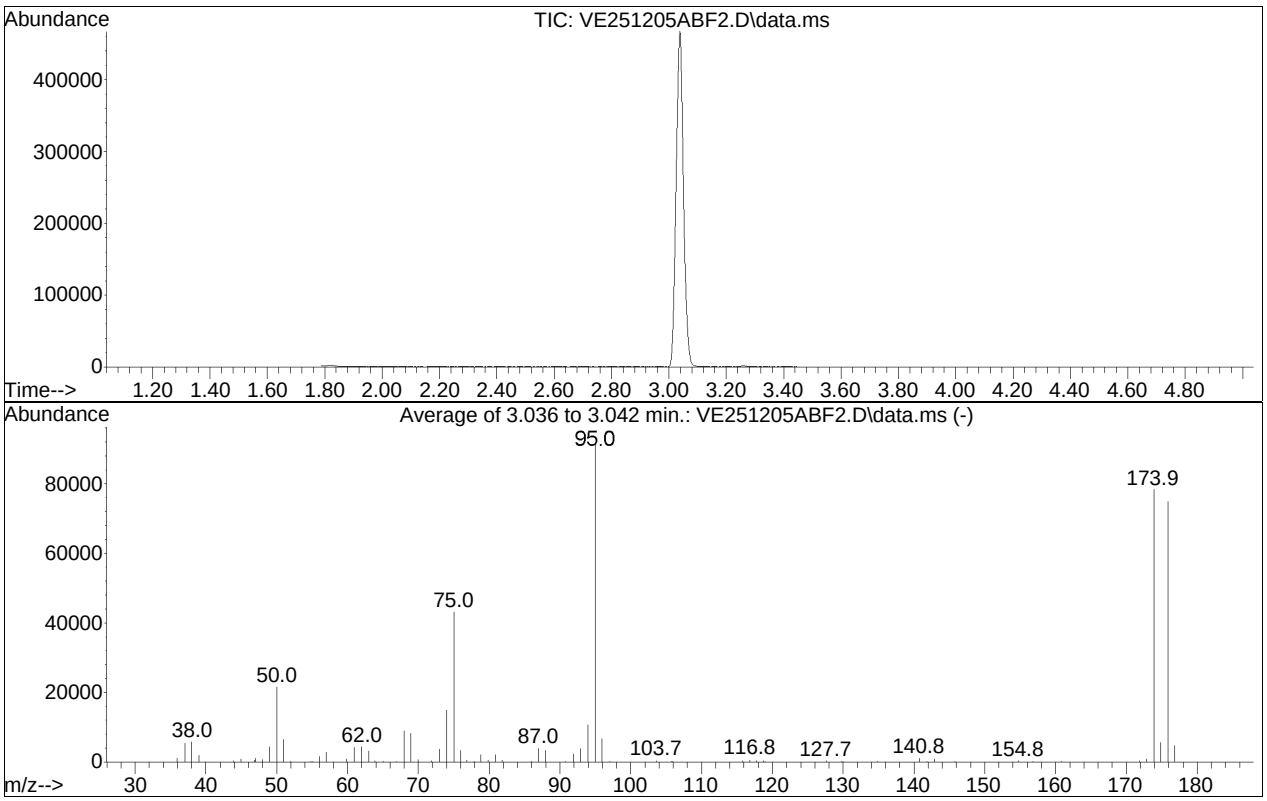
Manual Peak Response = 214190 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205ABF2.D
Acq On : 5 Dec 2025 7:14 am
Operator : ELAINE:PID
Sample : WG2150931-1
Misc : WG2150931,ICAL22806
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 12 12:15:18 2025



AutoFind: Scans 449, 450, 451; Background Corrected with Scan 433

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.5	21544	PASS
75	95	30	60	47.0	43128	PASS
95	95	100	100	100.0	91792	PASS
96	95	5	9	7.3	6663	PASS
173	174	0.00	2	1.1	875	PASS
174	95	50	100	85.3	78307	PASS
175	174	5	9	7.2	5625	PASS
176	174	95	101	95.5	74795	PASS
177	176	5	9	6.4	4803	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A05.D
Acq On : 5 Dec 2025 9:08 am
Operator : ELAINE:PID
Sample : WG2150931-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 09:33:59 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.629	96	169754	10.000	ug/L	0.00
Standard Area 1 = 195864			Recovery = 86.67%			
63) Chlorobenzene-d5	9.127	117	155628	10.000	ug/L	0.00
Standard Area 1 = 171189			Recovery = 90.91%			
84) 1,4-Dichlorobenzene-d4	11.911	152	83966	10.000	ug/L	0.00
Standard Area 1 = 98243			Recovery = 85.47%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.838	113	52033	11.121	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.21%			
47) 1,2-Dichloroethane-d4	5.349	65	64008	10.041	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.41%			
64) Toluene-d8	7.301	98	194077	9.318	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.18%			
88) 4-Bromofluorobenzene	10.664	95	80202	10.020	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.445	85	67	N.D.		
3) Chloromethane	1.631	50	411	N.D.		
4) Vinyl chloride	1.685	62	47	N.D.		
5) Bromomethane	1.989	94	612	0.231	ug/L #	75
6) Chloroethane	2.129	64	156	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	2.514	74	42	N.D.		
10) 1,1-Dichloroethene	2.705	96	51	N.D.		
11) Carbon disulfide	2.691	76	391	N.D.		
15) Methylene chloride	3.185	84	168	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	3.402	96	43	N.D.		
21) Methyl tert-butyl ether	3.529	73	46	N.D.		
25) 1,1-Dichloroethane	3.860	63	68	N.D.		
27) Acrylonitrile	3.914	53	51	N.D.		
29) Vinyl acetate	4.132	43	43	N.D.		
30) cis-1,2-Dichloroethene	4.390	96	96	N.D.		
31) 2,2-Dichloropropane	4.508	77	61	N.D.		
33) Bromochloromethane	4.648	128	52	N.D.		
35) Chloroform	4.666	83	74	Below Cal #		28

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A05.D
Acq On : 5 Dec 2025 9:08 am
Operator : ELAINE:PID
Sample : WG2150931-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 09:33:59 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.775	117	41	N.D.		
40) 1,1,1-Trichloroethane	4.884	97	48	N.D.		
42) 2-Butanone	4.929	43	51	N.D.		
43) 1,1-Dichloropropene	4.983	75	41	N.D.		
45) Benzene	5.221	78	62	N.D.		
48) 1,2-Dichloroethane	5.432	62	46	N.D.		
52) Trichloroethene	5.858	95	139	N.D.		
54) Dibromomethane	6.318	93	134	N.D.		
55) 1,2-Dichloropropane	6.340	63	42	N.D.		
58) Bromodichloromethane	6.331	83	44	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	7.113	75	47	N.D.		
65) Toluene	7.297	92	69	N.D.		
66) 4-Methyl-2-pentanone	7.744	58	46	N.D.		
67) Tetrachloroethene	0.000		0	N.D.	d	
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	8.003	83	40	N.D.		
73) Chlorodibromomethane	8.245	129	55	N.D.		
74) 1,3-Dichloropropane	8.297	76	54	N.D.		
75) 1,2-Dibromoethane	8.622	107	41	N.D.		
77) 2-Hexanone	8.863	43	49	N.D.		
78) Chlorobenzene	9.083	112	50	N.D.		
79) Ethylbenzene	9.127	91	261	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.311	131	46	N.D.		
81) p/m Xylene	9.214	106	41	N.D.		
82) o Xylene	9.921	106	76	N.D.		
83) Styrene	9.991	104	145	N.D.		
85) Bromoform	0.000		0	N.D.	d	
87) Isopropylbenzene	10.333	105	129	N.D.		
89) Bromobenzene	10.919	156	57	N.D.		
90) n-Propylbenzene	10.836	91	250	N.D.		
92) 1,1,2,2-Tetrachloroethane	11.043	83	48	N.D.		
93) 4-Ethyltoluene	10.968	105	147	N.D.		
94) 2-Chlorotoluene	10.999	91	110	N.D.		
95) 1,3,5-Trimethylbenzene	11.074	105	71	N.D.		
96) 1,2,3-Trichloropropane	11.069	75	43	N.D.		
97) trans-1,4-Dichloro-2-b...	11.021	53	41	N.D.		
98) 4-Chlorotoluene	11.179	91	92	N.D.		
99) tert-Butylbenzene	11.417	119	131	N.D.		

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A05.D
Acq On : 5 Dec 2025 9:08 am
Operator : ELAINE:PID
Sample : WG2150931-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 09:33:59 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102)	1,2,4-Trimethylbenzene	11.505	105	172	N.D.		
103)	sec-Butylbenzene	11.620	105	223	N.D.		
104)	p-Isopropyltoluene	11.774	119	174	N.D.		
105)	1,3-Dichlorobenzene	11.836	146	115	N.D.		
106)	1,4-Dichlorobenzene	11.911	146	328	N.D.		
107)	p-Diethylbenzene	12.157	119	46	N.D.		
108)	n-Butylbenzene	12.215	91	477	N.D.		
109)	1,2-Dichlorobenzene	12.356	146	117	N.D.		
110)	1,2,4,5-Tetramethylben...	12.946	119	169	N.D.		
111)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113)	Hexachlorobutadiene	0.000		0	N.D.	d	
114)	1,2,4-Trichlorobenzene	13.779	180	360	N.D.		
115)	Naphthalene	14.074	128	371	N.D.		
116)	1,2,3-Trichlorobenzene	14.237	180	420	0.086	ug/L	# 67

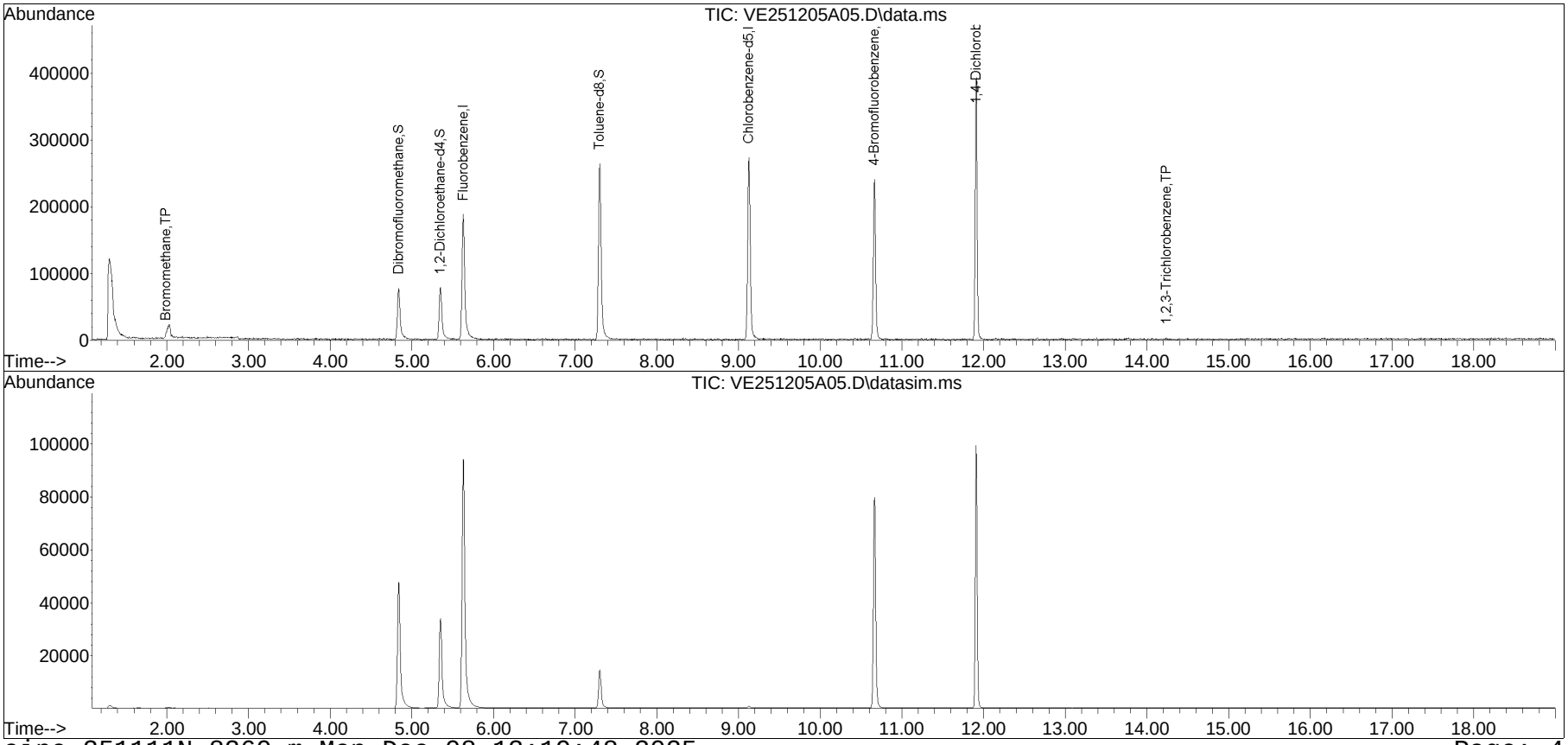
(#) = qualifier out of range (m) = manual integration (+) = signals summed

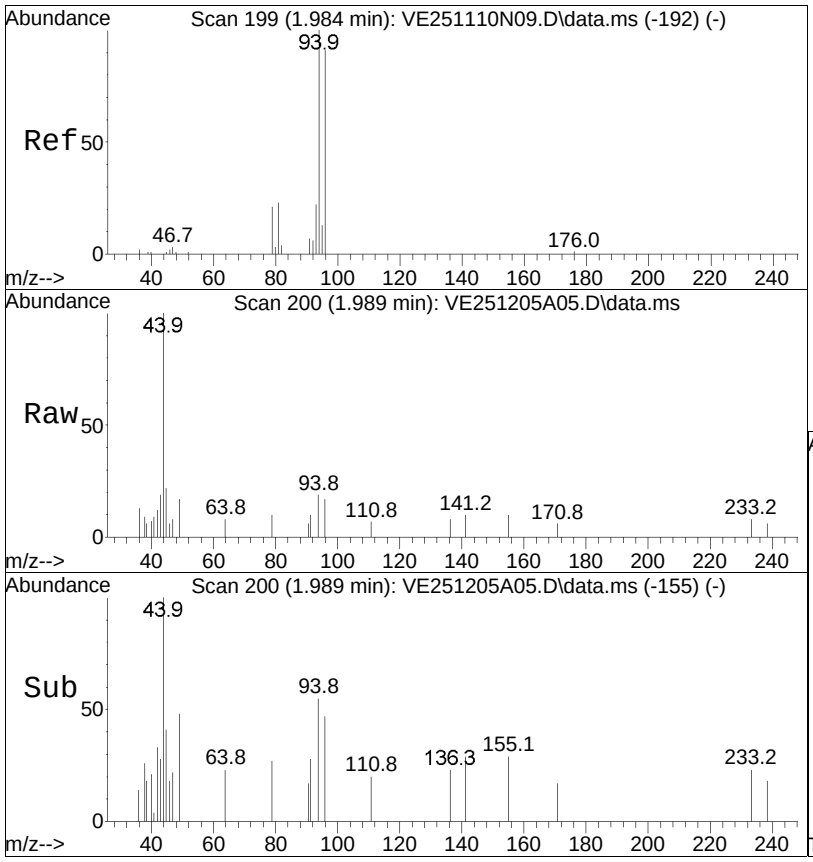
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A05.D
Acq On : 5 Dec 2025 9:08 am
Operator : ELAINE:PID
Sample : WG2150931-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 09:33:59 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

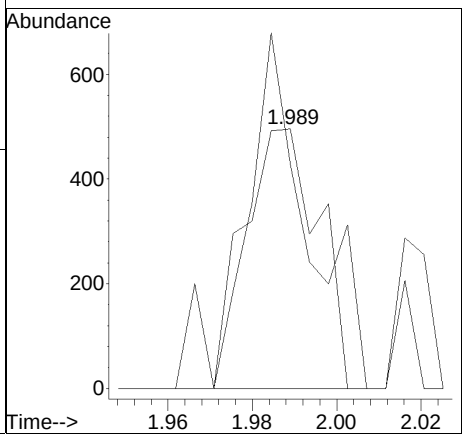


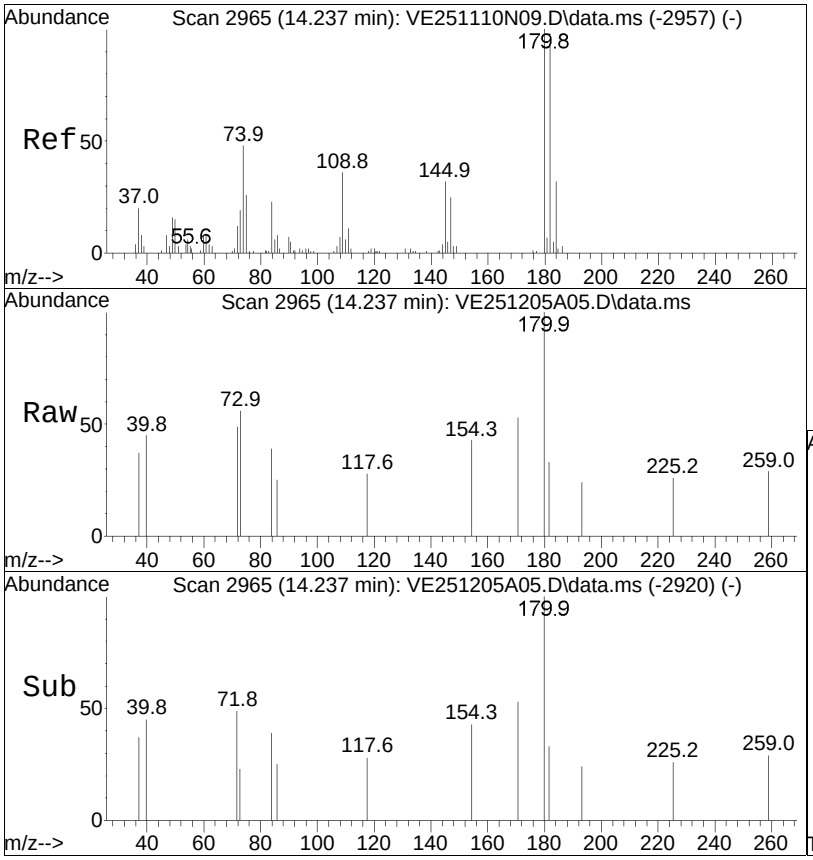


#5
Bromomethane
Concen: 0.23 ug/L
RT: 1.989 min Scan# 200
Delta R.T. 0.005 min
Lab File: VE251205A05.D
Acq: 5 Dec 2025 9:08 am

Tgt Ion: 94 Resp: 612

Ion	Ratio	Lower	Upper
94	100		
96	115.5	71.9	111.9#

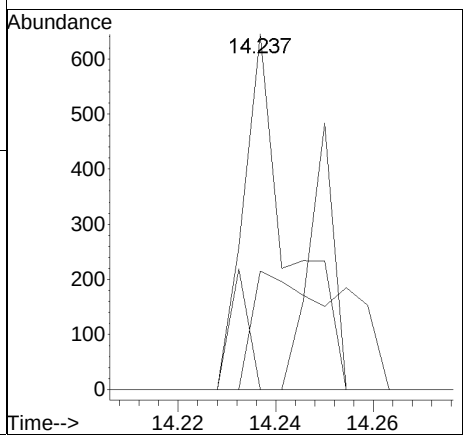




#116
1,2,3-Trichlorobenzene
Concen: 0.09 ug/L
RT: 14.237 min Scan# 2965
Delta R.T. -0.000 min
Lab File: VE251205A05.D
Acq: 5 Dec 2025 9:08 am

Tgt Ion:180 Resp: 420

Ion	Ratio	Lower	Upper
180	100		
182	67.4	78.9	118.3#
145	13.8	27.7	41.5#



Manual Integration Report

Data Path	: K:\Elaine\2025\251205A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251205A05.D	Operator	: ELAINE:PID
Date Inj'd	: 12/5/2025 9:08 am	Instrument	: Elaine
Sample	: WG2150931-5,31,10,10	Quant Date	: 12/5/2025 9:33 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A05.D
Acq On : 5 Dec 2025 9:08 am
Operator : ELAINE:PID
Sample : WG2150931-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251205A05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.030	194	209	215	rBV10	20518	58985	9.35%	1.840%
2	4.838	817	829	846	rBV3	77122	183952	29.17%	5.740%
3	5.353	932	944	964	rBV3	78135	189888	30.11%	5.925%
4	5.629	992	1007	1033	rBV2	187343	449898	71.33%	14.038%
5	7.301	1375	1388	1407	rBV2	263839	620075	98.32%	19.347%
6	9.127	1791	1804	1829	rBV2	273112	612040	97.04%	19.097%
7	10.664	2141	2154	2171	rBV3	239932	459420	72.84%	14.335%
8	11.911	2425	2437	2456	rBV	391904	630702	100.00%	19.679%

Sum of corrected areas: 3204960

Signal : TIC: VE251205A05.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

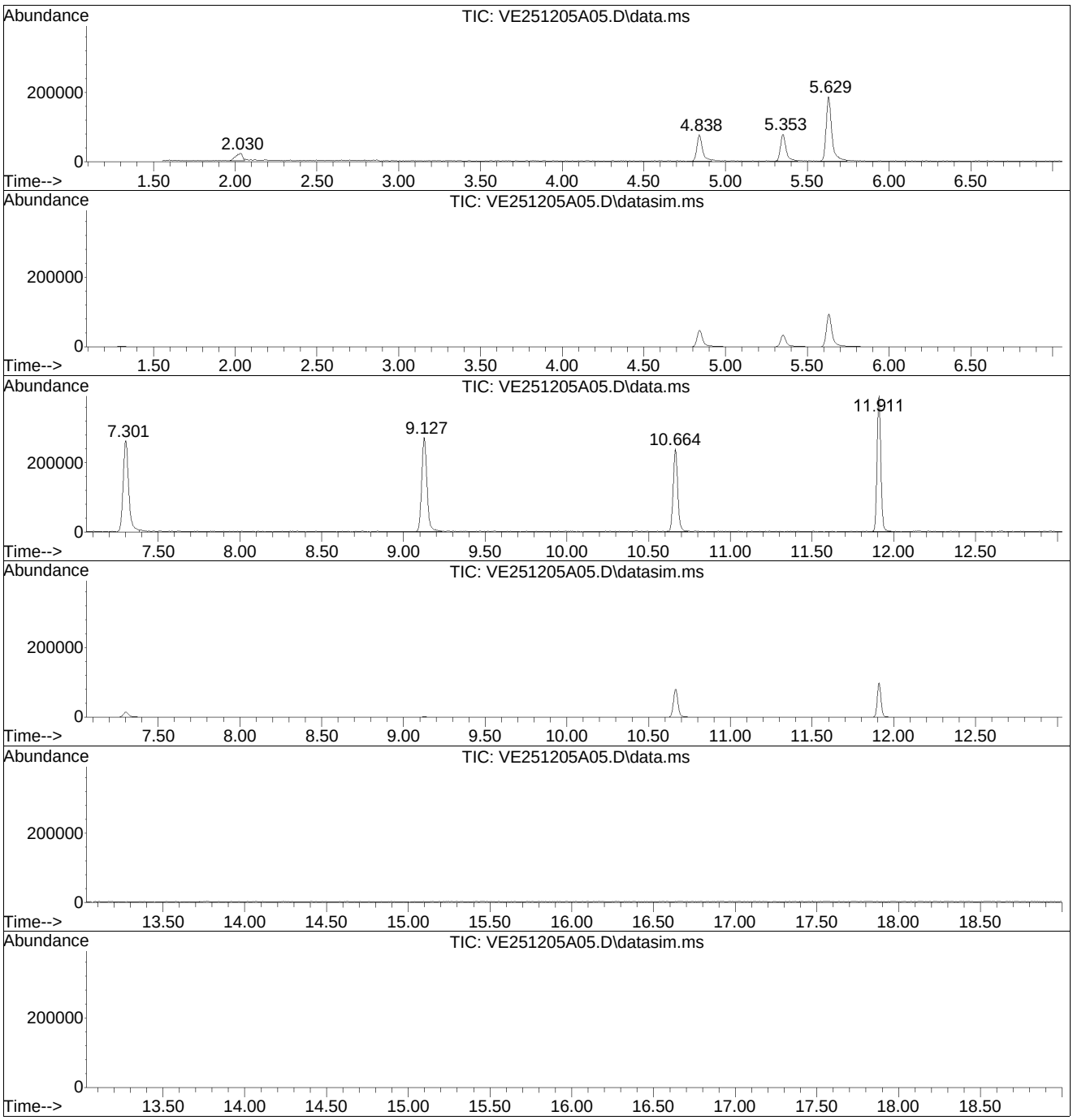
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A05.D
Acq On : 5 Dec 2025 9:08 am
Operator : ELAINE:PID
Sample : WG2150931-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A05.D
Acq On : 5 Dec 2025 9:08 am
Operator : ELAINE:PID
Sample : WG2150931-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A05.D
Acq On : 5 Dec 2025 9:08 am
Operator : ELAINE:PID
Sample : WG2150931-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Acq On : 5 Dec 2025 7:32 am
Operator : ELAINE:PID
Sample : WG2150931-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:00:02 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.625	96	195864	10.000	ug/L	0.00
63) Chlorobenzene-d5	9.122	117	171189	10.000	ug/L	0.00
84) 1,4-Dichlorobenzene-d4	11.906	152	98243	10.000	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	4.834	113	52672	9.757	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.57%			
47) 1,2-Dichloroethane-d4	5.340	65	73572	10.003	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.03%			
64) Toluene-d8	7.293	98	222783	9.724	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.24%			
88) 4-Bromofluorobenzene	10.660	95	85774	9.159	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.59%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.463	85	76527	11.922	ug/L	97
3) Chloromethane	1.636	50	84862	9.886	ug/L	96
4) Vinyl chloride	1.704	62	78269	11.709	ug/L	99
5) Bromomethane	1.980	94	29867	9.766	ug/L	93
6) Chloroethane	2.089	64	50251	11.541	ug/L	99
7) Trichlorofluoromethane	2.215	101	83732	10.590	ug/L	99
8) Ethyl ether	2.487	74	20268	7.838	ug/L	93
10) 1,1-Dichloroethene	2.668	96	43730	10.011	ug/L	99
11) Carbon disulfide	2.700	76	179743	12.159	ug/L	96
15) Methylene chloride	3.194	84	58672	11.039	ug/L	99
17) Acetone	3.226	43	14011M4	8.154	ug/L	
18) trans-1,2-Dichloroethene	3.339	96	43934	10.537	ug/L	96
21) Methyl tert-butyl ether	3.429	73	77111	7.956	ug/L #	89
25) 1,1-Dichloroethane	3.896	63	127767	11.376	ug/L	99
27) Acrylonitrile	3.941	53	15511	8.334	ug/L	93
29) Vinyl acetate	4.123	43	112836	8.814	ug/L	99
30) cis-1,2-Dichloroethene	4.399	96	51000	10.191	ug/L	86
31) 2,2-Dichloropropane	4.494	77	80857	11.432	ug/L	98
33) Bromochloromethane	4.585	128	25967	11.819	ug/L #	73
35) Chloroform	4.662	83	93514	10.455	ug/L	97
37) Carbon tetrachloride	4.793	117	60030	11.216	ug/L	86
40) 1,1,1-Trichloroethane	4.847	97	76515	11.314	ug/L	97
42) 2-Butanone	4.947	43	16106	7.473	ug/L #	73
43) 1,1-Dichloropropene	4.974	75	56695	9.907	ug/L	100

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Acq On : 5 Dec 2025 7:32 am
Operator : ELAINE:PID
Sample : WG2150931-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:00:02 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) Benzene	5.213	78	187389	10.320	ug/L	99
48) 1,2-Dichloroethane	5.414	62	74548	9.929	ug/L	97
52) Trichloroethene	5.801	95	43141	9.851	ug/L	96
54) Dibromomethane	6.231	93	26165	9.696	ug/L	96
55) 1,2-Dichloropropane	6.332	63	54681	9.503	ug/L	98
58) Bromodichloromethane	6.415	83	59568	9.558	ug/L	96
61) 1,4-Dioxane	6.608	88	16566	475.791	ug/L	91
62) cis-1,3-Dichloropropene	7.095	75	64088	9.356	ug/L	98
65) Toluene	7.350	92	126872	9.989	ug/L	97
66) 4-Methyl-2-pentanone	7.788	58	11130	6.777	ug/L	88
67) Tetrachloroethene	7.797	166	47605	10.516	ug/L	97
69) trans-1,3-Dichloropropene	7.841	75	56712	7.488	ug/L	98
72) 1,1,2-Trichloroethane	8.017	83	26716	8.093	ug/L	96
73) Chlorodibromomethane	8.227	129	37119	8.356	ug/L	98
74) 1,3-Dichloropropane	8.332	76	59591	8.129	ug/L	100
75) 1,2-Dibromoethane	8.495	107	31885	8.145	ug/L	98
77) 2-Hexanone	8.784	43	28406	7.222	ug/L	92
78) Chlorobenzene	9.149	112	145009	10.207	ug/L	99
79) Ethylbenzene	9.184	91	275324	10.378	ug/L	97
80) 1,1,1,2-Tetrachloroethane	9.228	131	41368	9.606	ug/L	99
81) p/m Xylene	9.372	106	210767	20.341	ug/L	97
82) o Xylene	9.917	106	210545	20.504	ug/L	96
83) Styrene	9.991	104	340396	18.983	ug/L	98
85) Bromoform	10.013	173	21997	7.823	ug/L	96
87) Isopropylbenzene	10.325	105	276476	9.665	ug/L	99
89) Bromobenzene	10.774	156	56332	9.481	ug/L	100
90) n-Propylbenzene	10.827	91	357113	9.910	ug/L	99
92) 1,1,2,2-Tetrachloroethane	10.928	83	45112	8.357	ug/L	99
93) 4-Ethyltoluene	10.959	105	291539	10.372	ug/L	99
94) 2-Chlorotoluene	10.994	91	214190M6	9.864	ug/L	
95) 1,3,5-Trimethylbenzene	11.060	105	243605	9.671	ug/L	99
96) 1,2,3-Trichloropropane	11.060	75	37687	7.850	ug/L	96
97) trans-1,4-Dichloro-2-b...	11.122	53	19541	8.042	ug/L	98
98) 4-Chlorotoluene	11.188	91	219966	10.016	ug/L	99
99) tert-Butylbenzene	11.413	119	204560	10.016	ug/L	98
102) 1,2,4-Trimethylbenzene	11.492	105	246372	9.807	ug/L	100
103) sec-Butylbenzene	11.607	105	318625	10.188	ug/L	98
104) p-Isopropyltoluene	11.765	119	262915	10.032	ug/L	98
105) 1,3-Dichlorobenzene	11.827	146	130574	10.034	ug/L	96
106) 1,4-Dichlorobenzene	11.924	146	124694	9.662	ug/L	99

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Acq On : 5 Dec 2025 7:32 am
Operator : ELAINE:PID
Sample : WG2150931-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:00:02 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) p-Diethylbenzene	12.149	119	149847	9.669	ug/L	95
108) n-Butylbenzene	12.206	91	250758	9.825	ug/L	96
109) 1,2-Dichlorobenzene	12.351	146	119741	9.906	ug/L	99
110) 1,2,4,5-Tetramethylben...	12.955	119	228678	8.727	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.140	155	6455	8.317	ug/L	92
113) Hexachlorobutadiene	13.757	225	23785	11.653	ug/L	95
114) 1,2,4-Trichlorobenzene	13.774	180	62853	9.603	ug/L	99
115) Naphthalene	14.065	128	127884	7.840	ug/L	100
116) 1,2,3-Trichlorobenzene	14.241	180	52145	9.134	ug/L	100

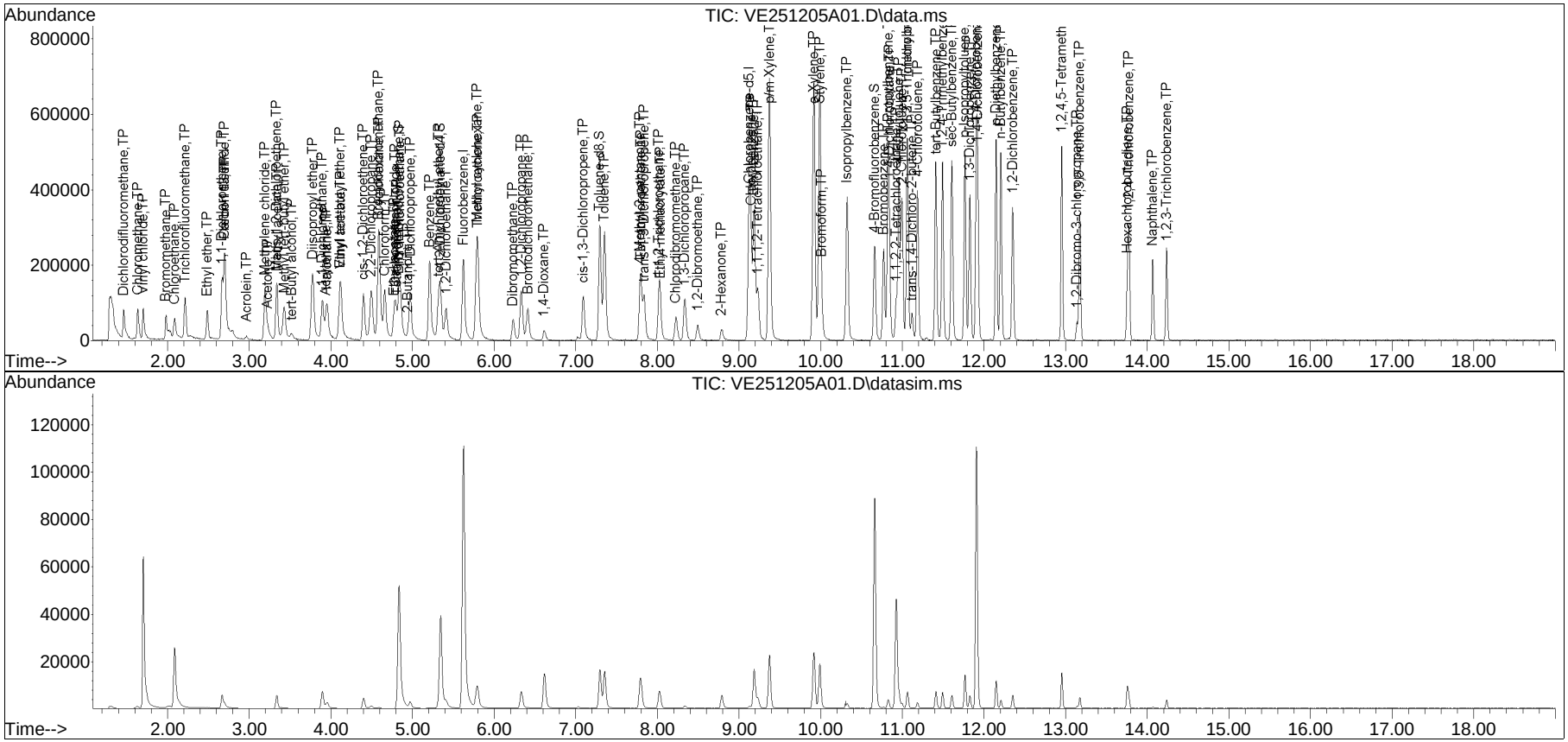
(#) = qualifier out of range (m) = manual integration (+) = signals summed

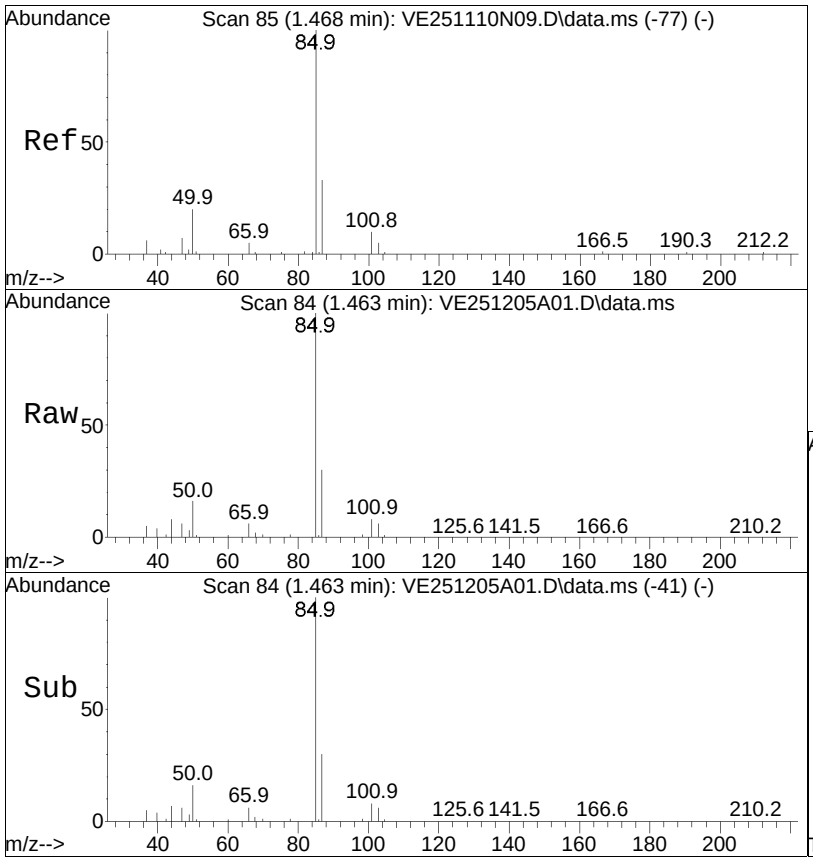
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Acq On : 5 Dec 2025 7:32 am
Operator : ELAINE:PID
Sample : WG2150931-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:00:02 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

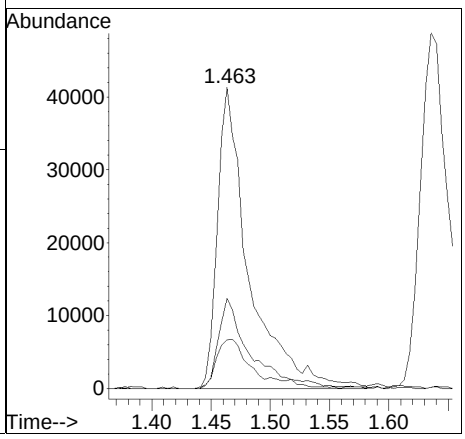


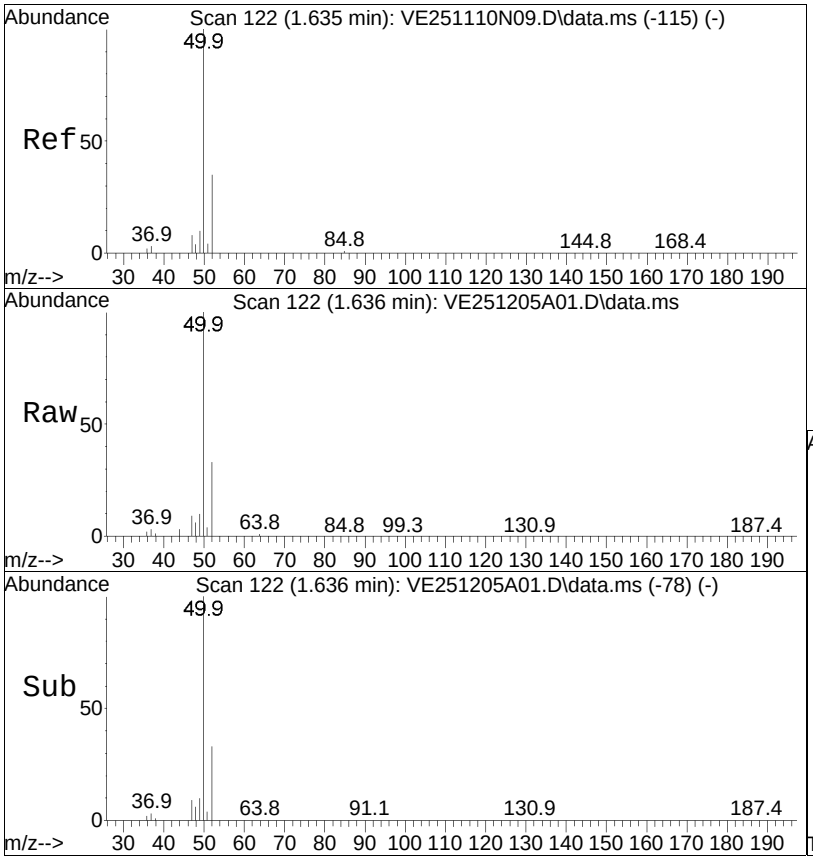


#2
Dichlorodifluoromethane
Concen: 11.92 ug/L
RT: 1.463 min Scan# 84
Delta R.T. -0.005 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 85 Resp: 76527

Ion	Ratio	Lower	Upper
85	100		
87	30.1	20.6	42.8
50	18.9	12.9	26.9

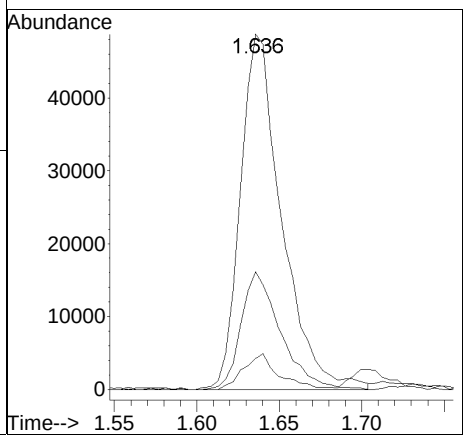


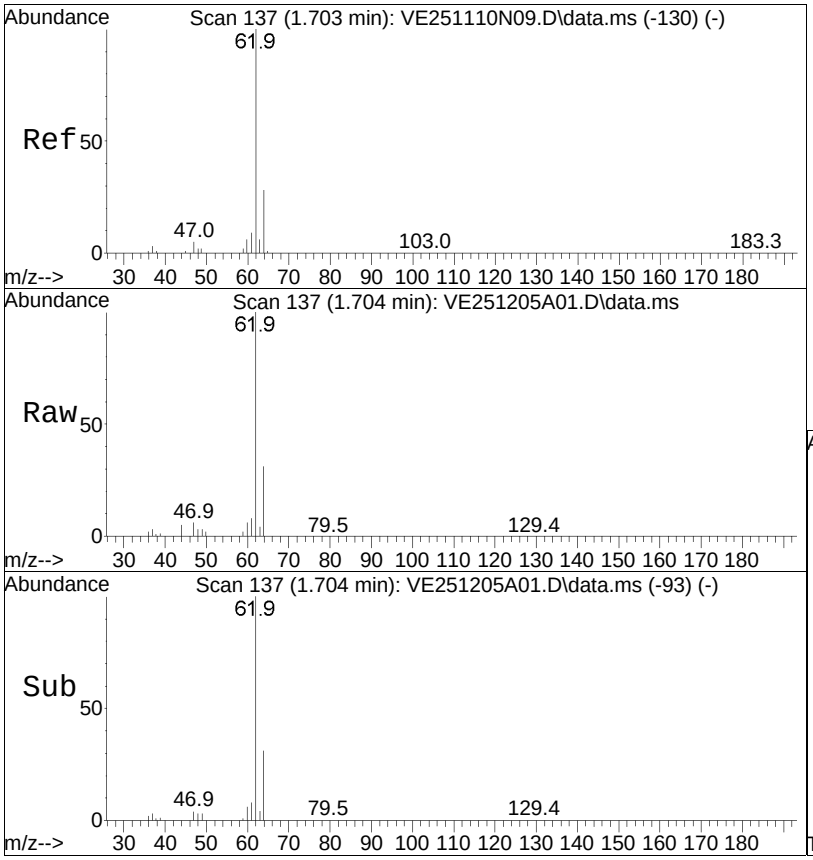


#3
Chloromethane
Concen: 9.89 ug/L
RT: 1.636 min Scan# 122
Delta R.T. 0.001 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 50 Resp: 84862

Ion	Ratio	Lower	Upper
50	100		
52	31.6	13.7	53.7
47	8.6	0.0	27.6

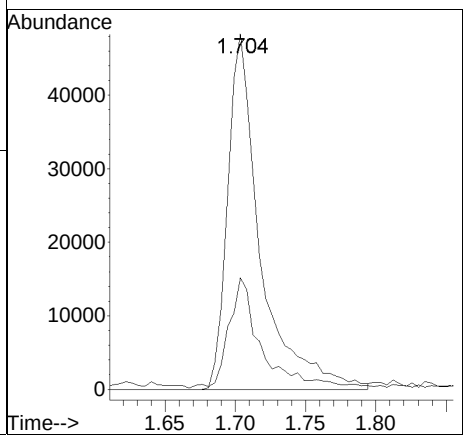


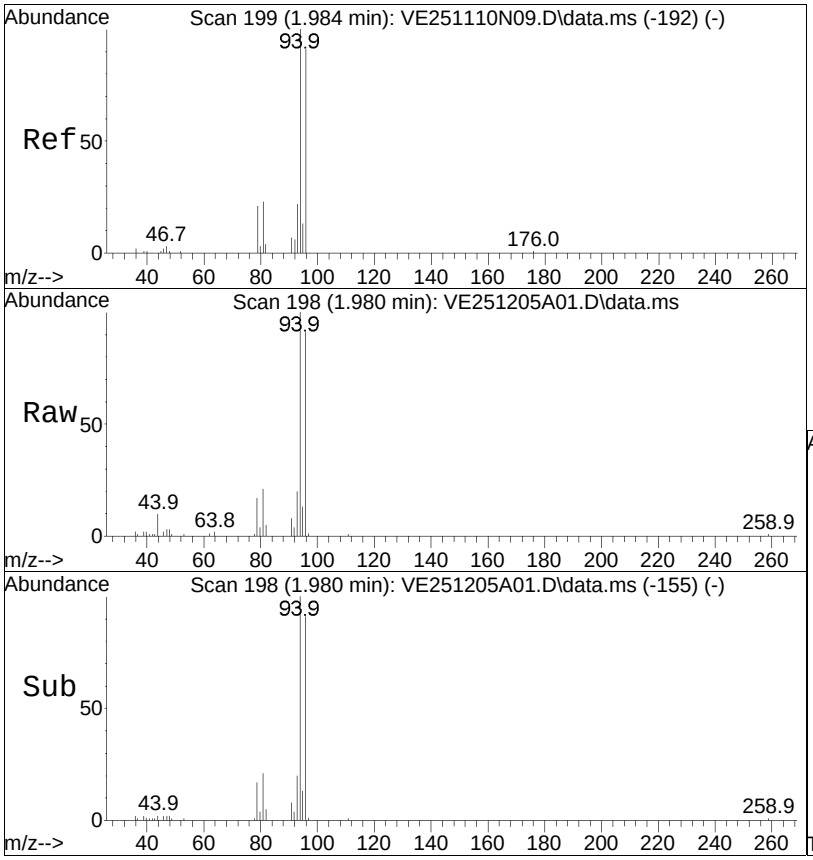


#4
Vinyl chloride
Concen: 11.71 ug/L
RT: 1.704 min Scan# 137
Delta R.T. 0.001 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 62 Resp: 78269

Ion	Ratio	Lower	Upper
62	100		
64	31.1	10.6	50.6

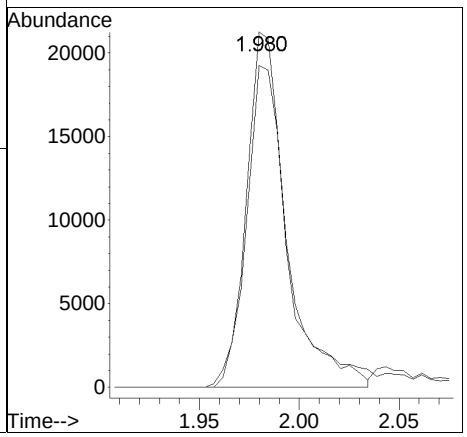


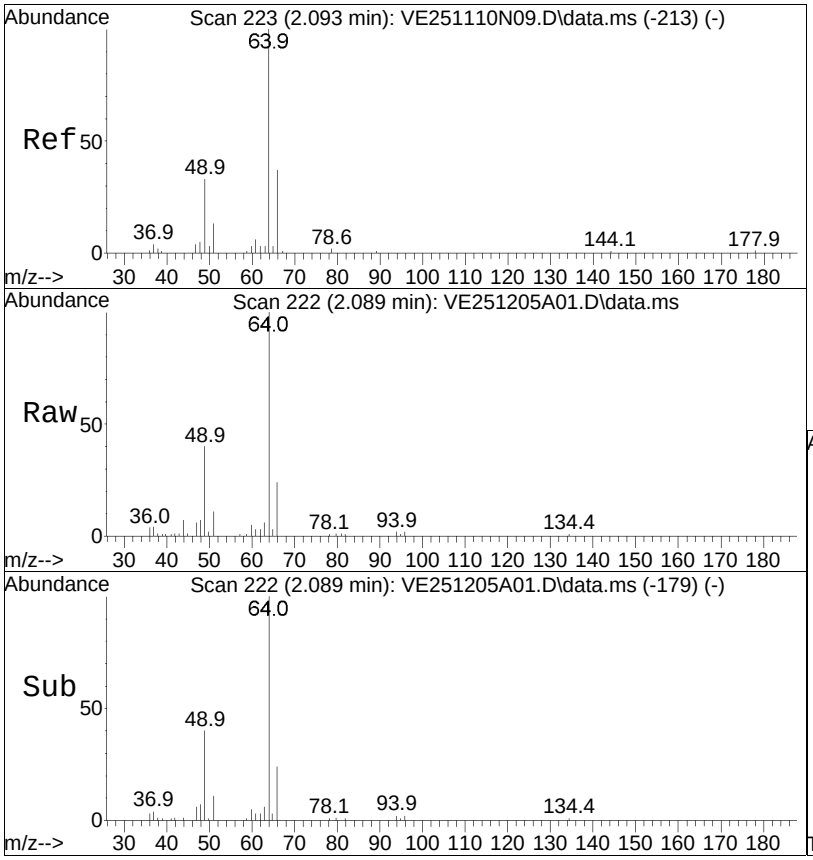


#5
Bromomethane
Concen: 9.77 ug/L
RT: 1.980 min Scan# 198
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 94 Resp: 29867

Ion	Ratio	Lower	Upper
94	100		
96	98.1	71.9	111.9

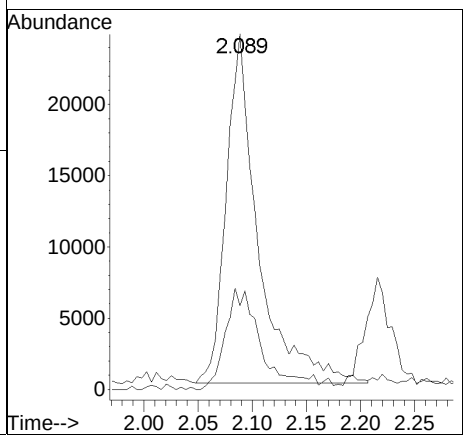


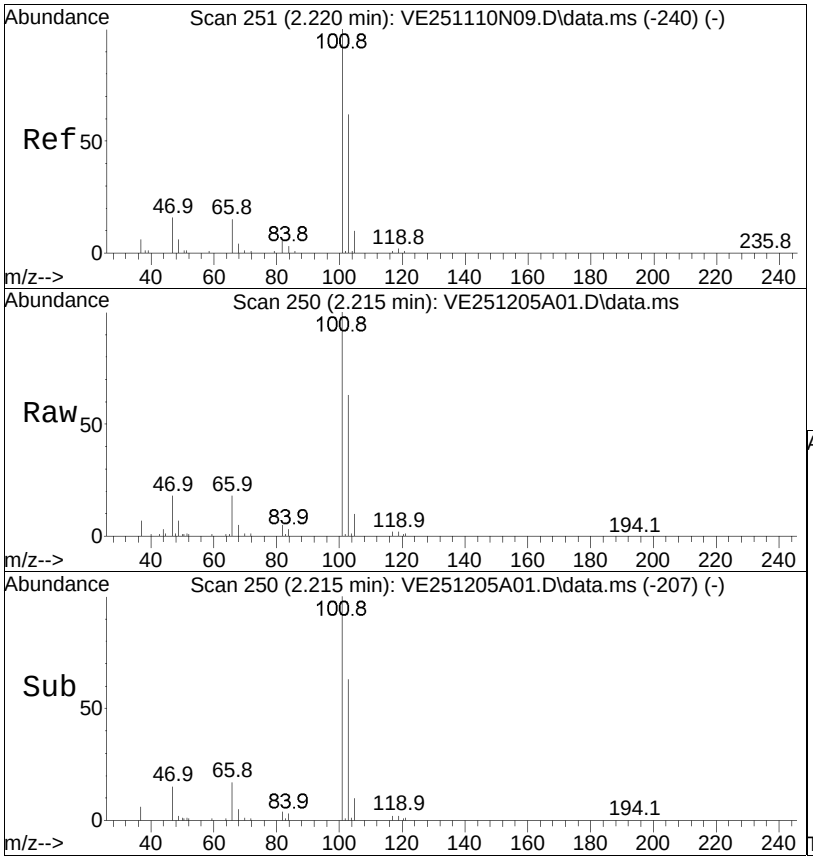


#6
Chloroethane
Concen: 11.54 ug/L
RT: 2.089 min Scan# 222
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 64 Resp: 50251

Ion	Ratio	Lower	Upper
64	100		
66	32.5	12.2	52.2

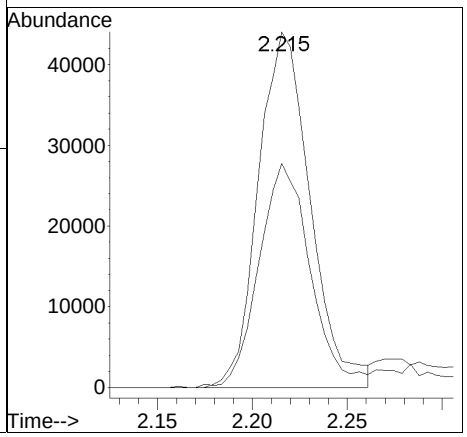


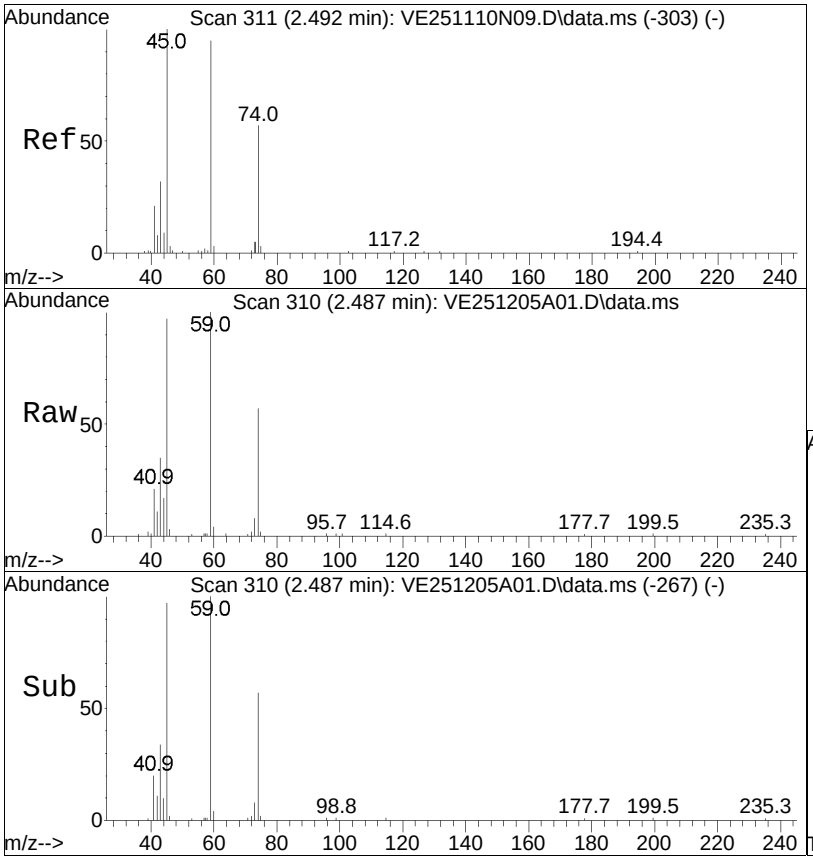


#7
Trichlorofluoromethane
Concen: 10.59 ug/L
RT: 2.215 min Scan# 250
Delta R.T. -0.005 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:101 Resp: 83732

Ion	Ratio	Lower	Upper
101	100		
103	62.6	49.4	74.0

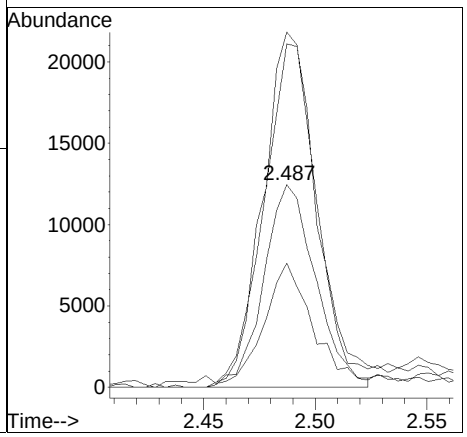


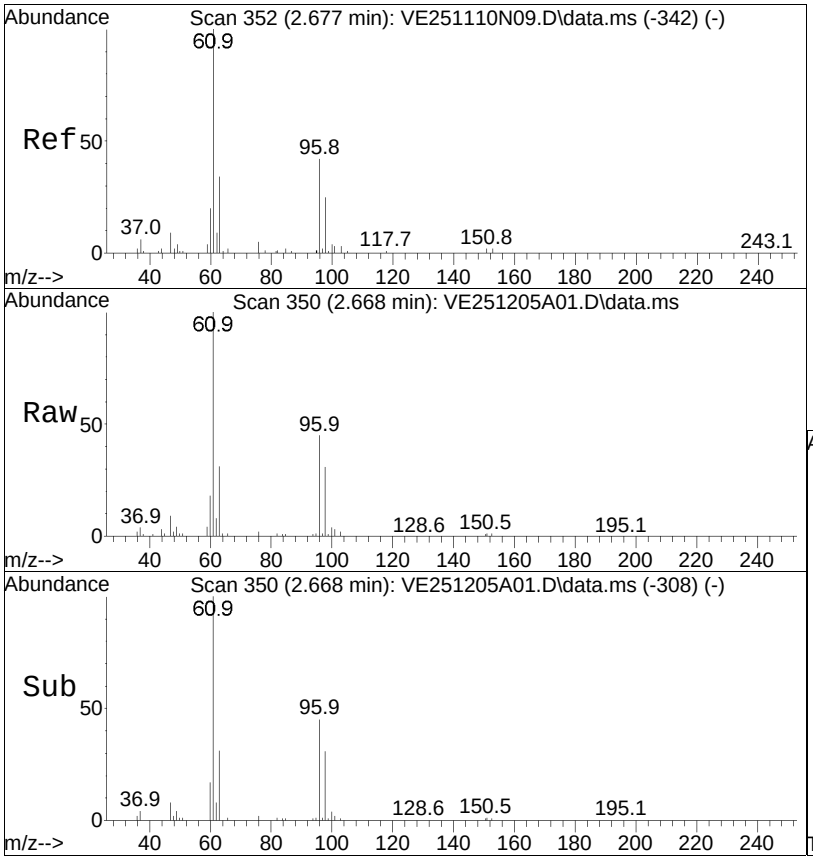


#8
Ethyl ether
Concen: 7.84 ug/L
RT: 2.487 min Scan# 310
Delta R.T. -0.005 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 74 Resp: 20268

Ion	Ratio	Lower	Upper
74	100		
59	181.9	114.5	237.9
45	176.7	120.8	250.8
43	53.5	42.9	89.1

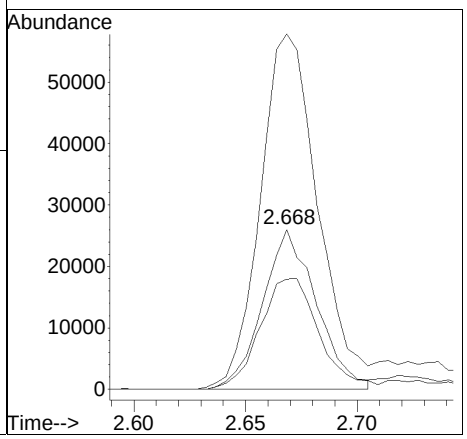


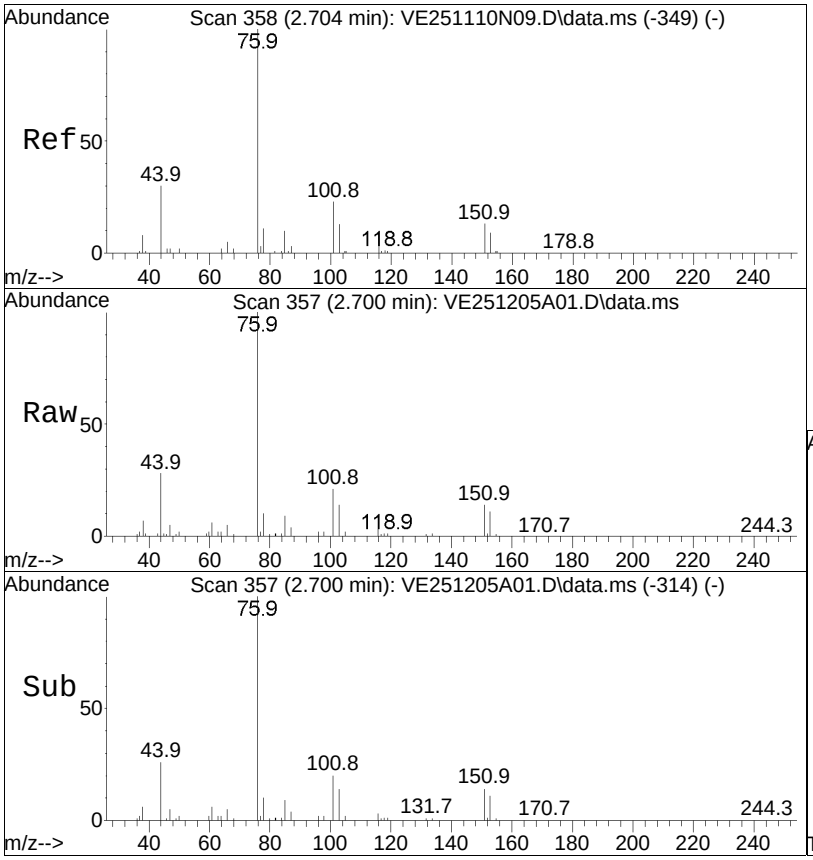


#10
1,1-Dichloroethene
Concen: 10.01 ug/L
RT: 2.668 min Scan# 350
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 96 Resp: 43730

Ion	Ratio	Lower	Upper
96	100		
61	239.9	190.2	285.2
63	76.1	59.9	89.9

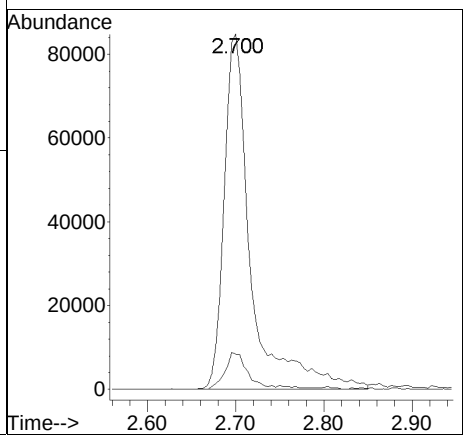


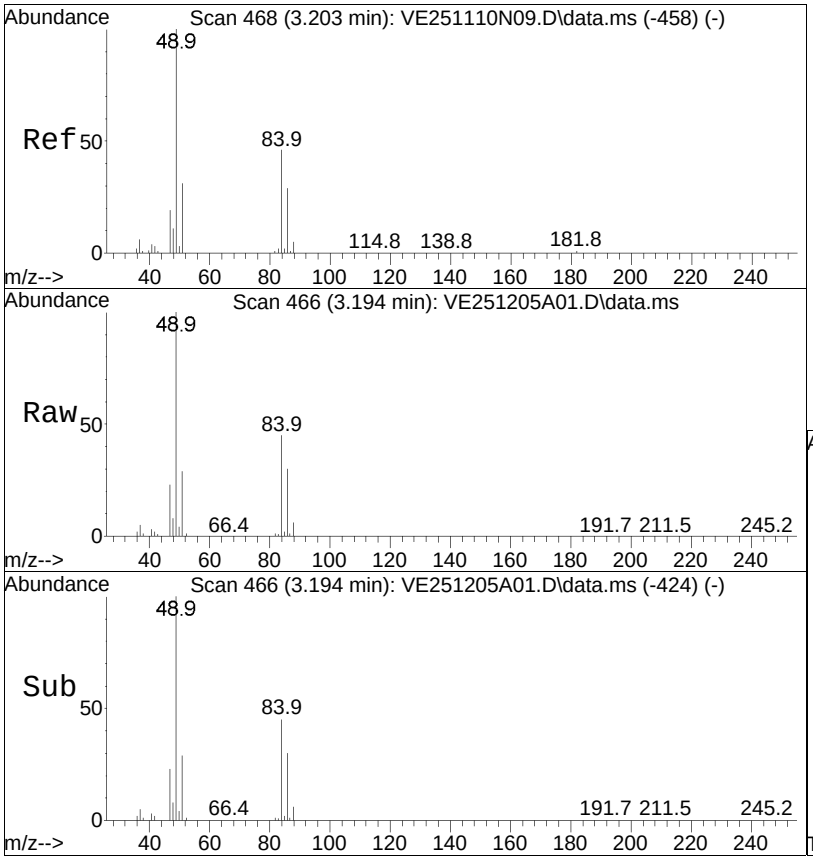


#11
Carbon disulfide
Concen: 12.16 ug/L
RT: 2.700 min Scan# 357
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 76 Resp: 179743

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.6	13.8

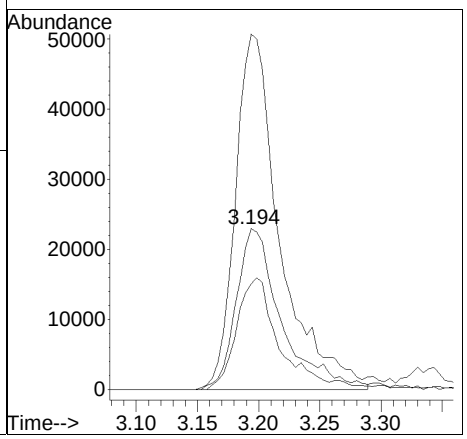


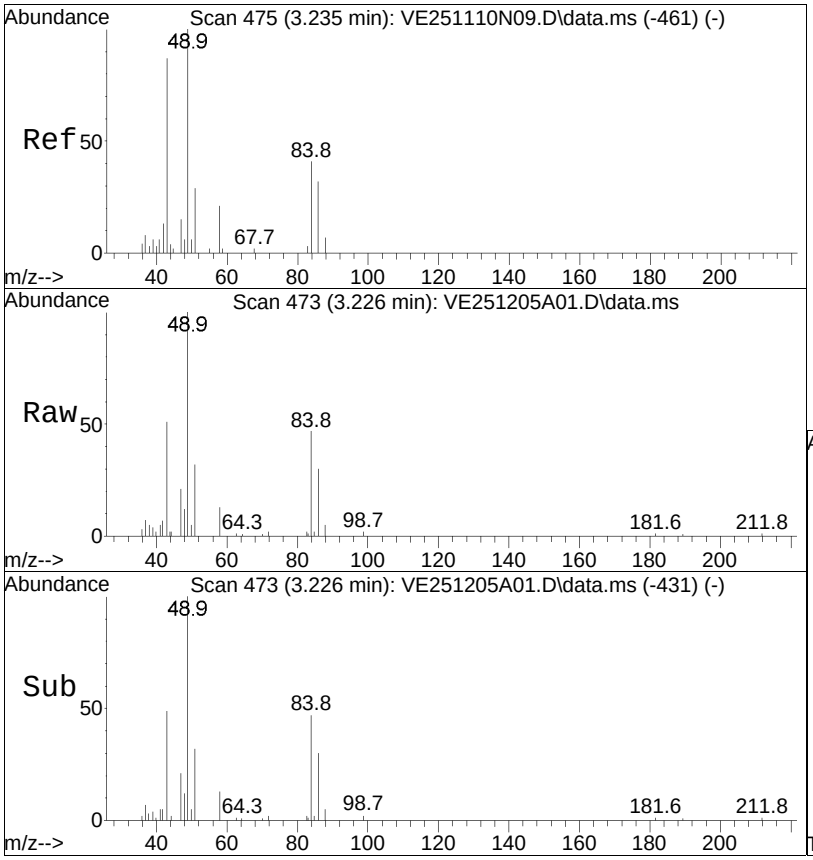


#15
Methylene chloride
Concen: 11.04 ug/L
RT: 3.194 min Scan# 466
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 84 Resp: 58672

Ion	Ratio	Lower	Upper
84	100		
86	63.8	41.8	86.8
49	217.5	141.8	294.6

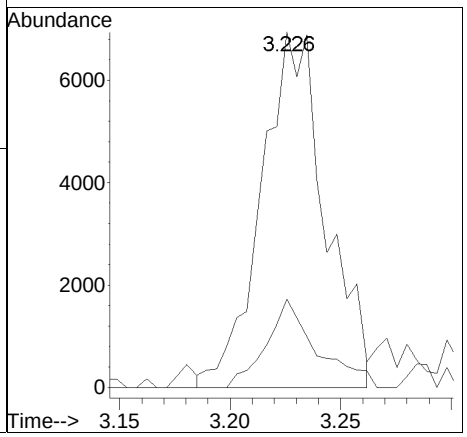


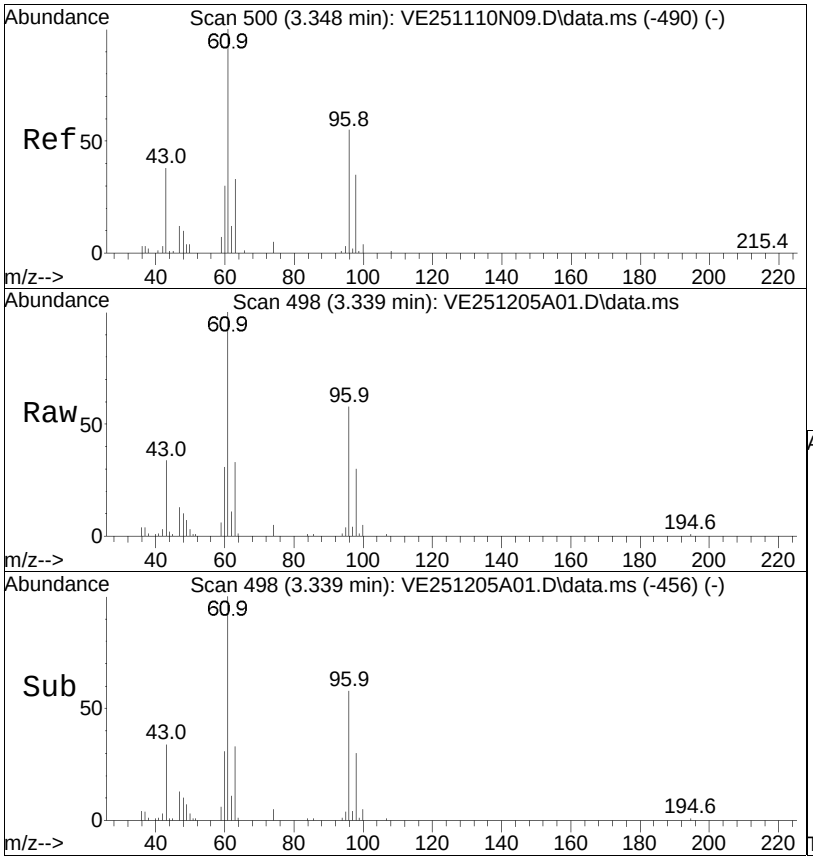


#17
Acetone
Concen: 8.15 ug/L M4
RT: 3.226 min Scan# 473
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 43 Resp: 14011

Ion	Ratio	Lower	Upper
43	100		
58	19.6	16.2	24.4

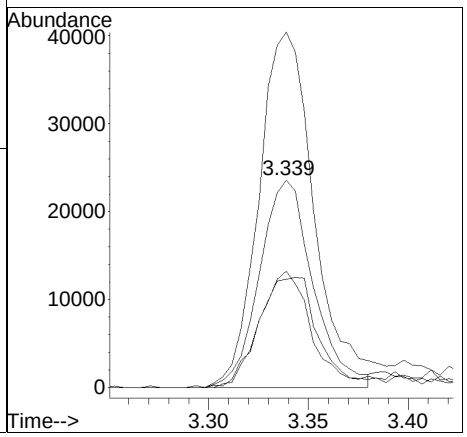


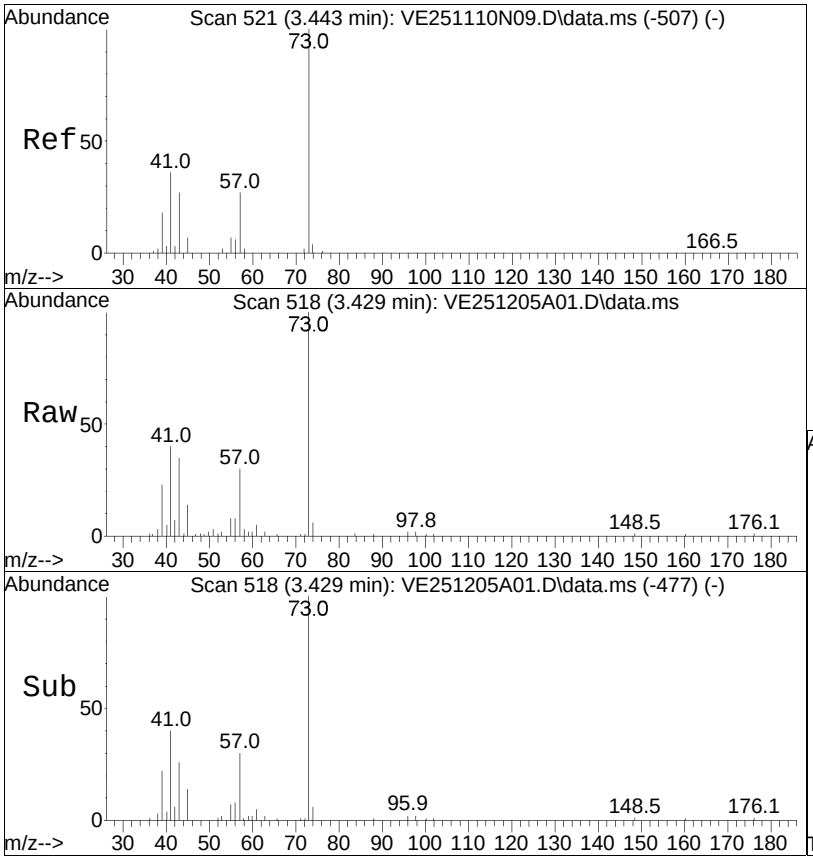


#18
trans-1,2-Dichloroethene
Concen: 10.54 ug/L
RT: 3.339 min Scan# 498
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 96 Resp: 43934

Ion	Ratio	Lower	Upper
96	100		
61	180.0	118.2	245.6
98	59.8	41.9	86.9
63	53.9	39.4	81.8

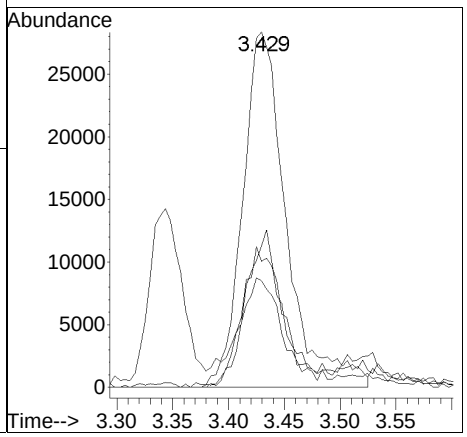


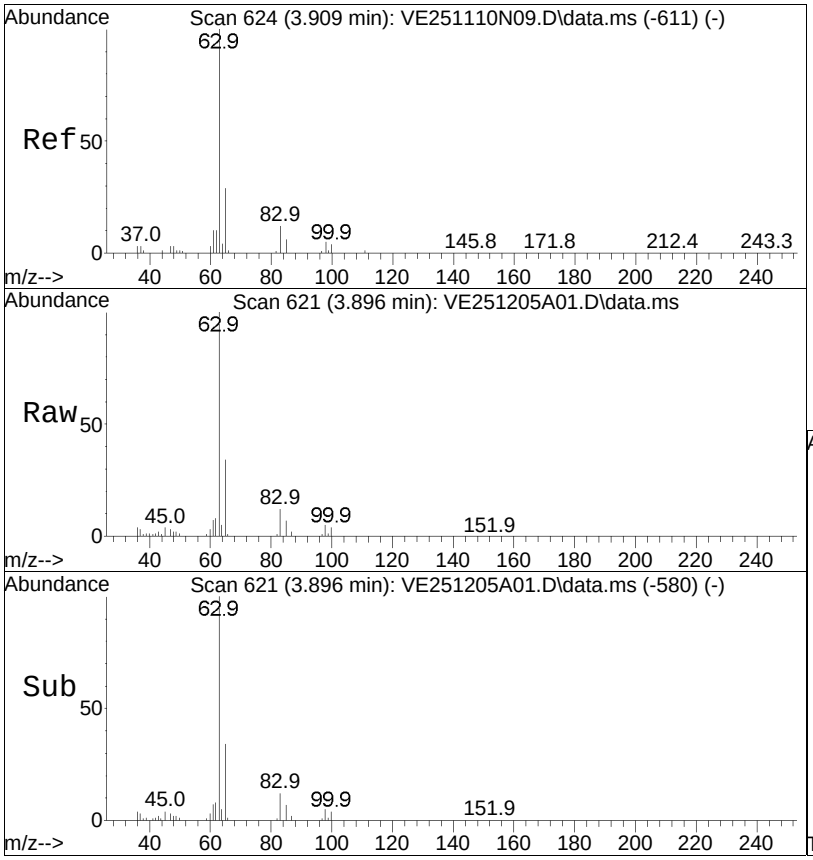


#21
Methyl tert-butyl ether
Concen: 7.96 ug/L
RT: 3.429 min Scan# 518
Delta R.T. -0.014 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 73 Resp: 77111

Ion	Ratio	Lower	Upper
73	100		
57	28.9	21.3	44.1
43	33.7	0.0	0.0#
41	36.5	30.0	62.2

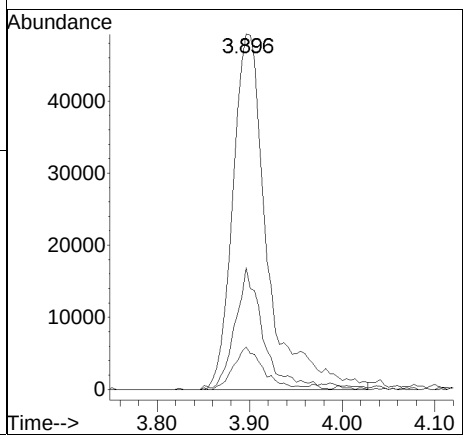


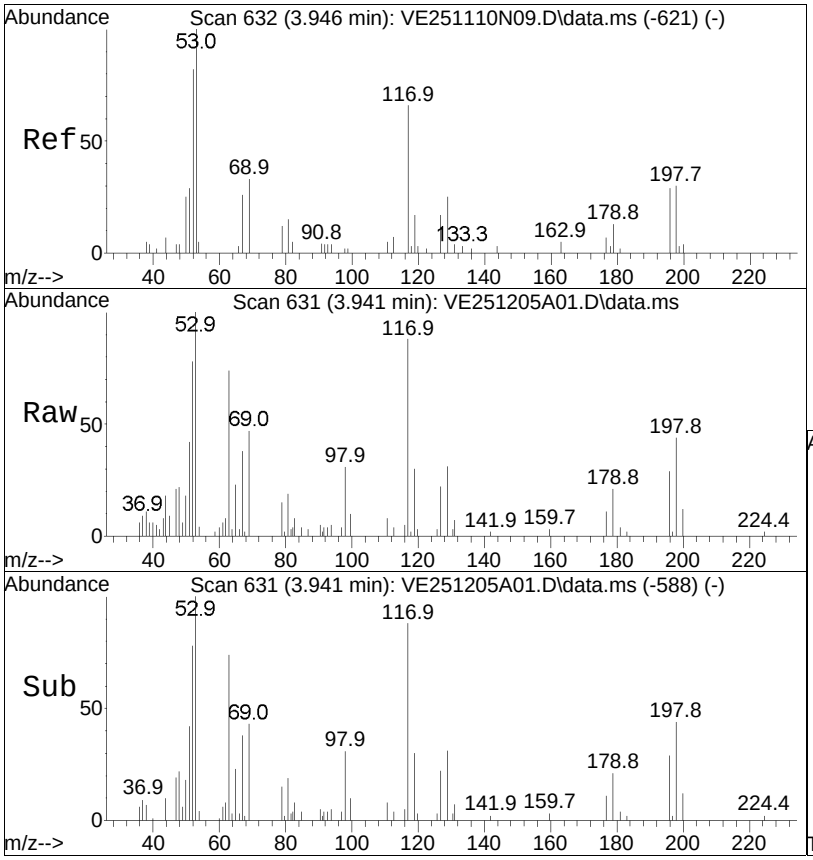


#25
1,1-Dichloroethane
Concen: 11.38 ug/L
RT: 3.896 min Scan# 621
Delta R.T. -0.013 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 63 Resp: 127767

Ion	Ratio	Lower	Upper
63	100		
65	28.2	8.6	48.6
83	10.3	0.0	30.7

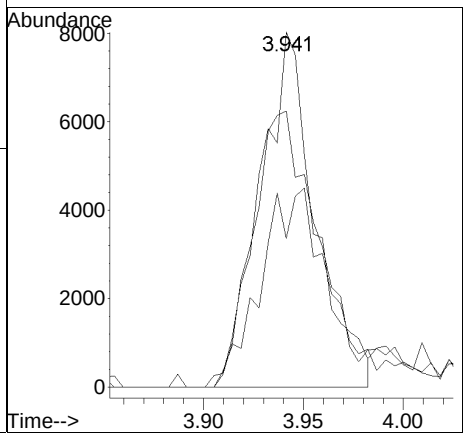


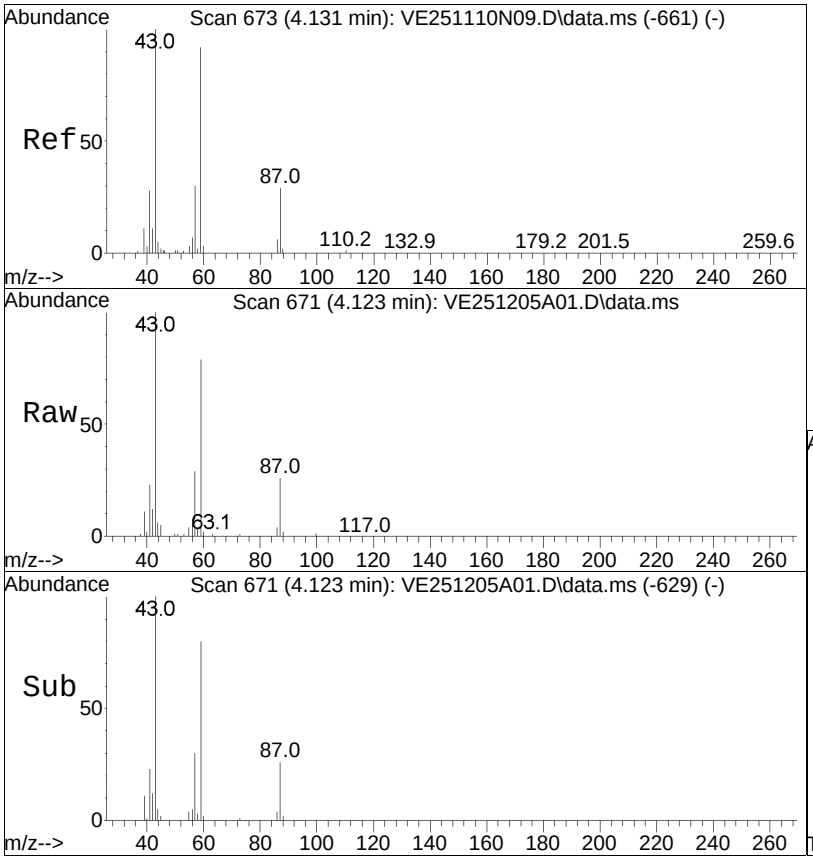


#27
Acrylonitrile
Concen: 8.33 ug/L
RT: 3.941 min Scan# 631
Delta R.T. -0.005 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 53 Resp: 15511

Ion	Ratio	Lower	Upper
53	100		
52	90.2	69.8	104.6
51	73.3	50.4	75.6

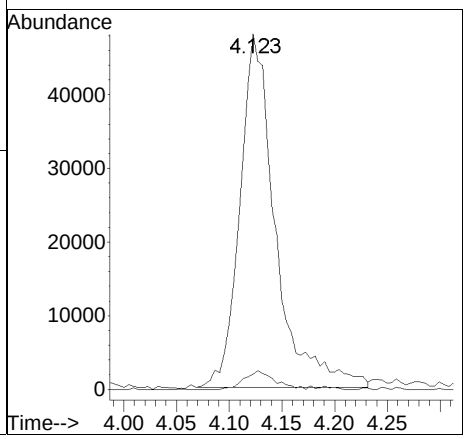


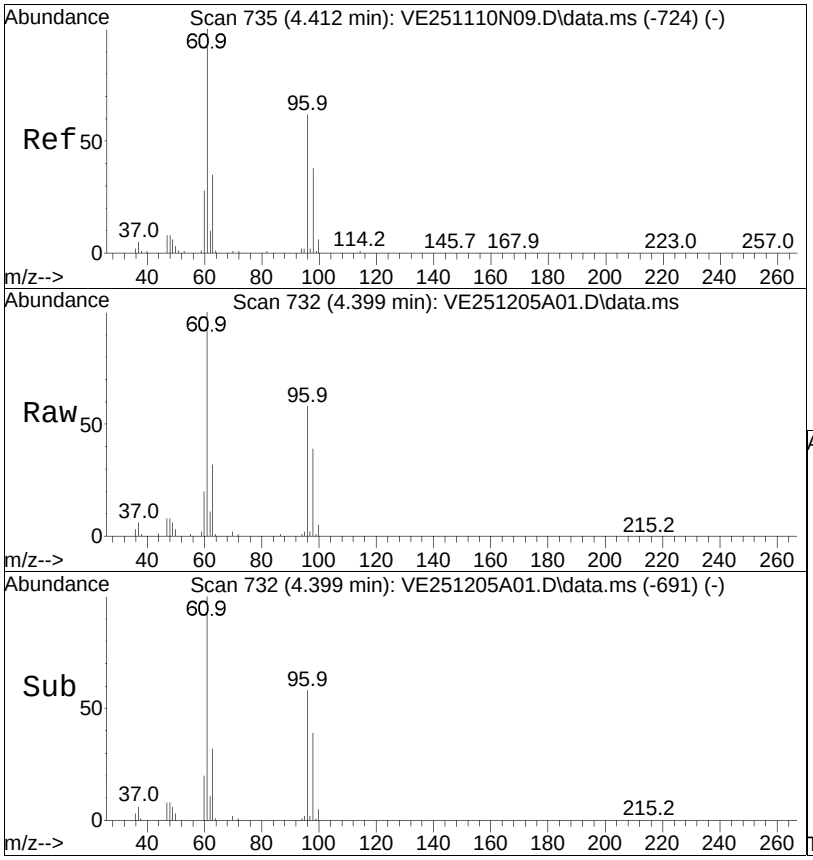


#29
Vinyl acetate
Concen: 8.81 ug/L
RT: 4.123 min Scan# 671
Delta R.T. -0.008 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 43 Resp: 112836

Ion	Ratio	Lower	Upper
43	100		
86	4.5	3.8	5.8

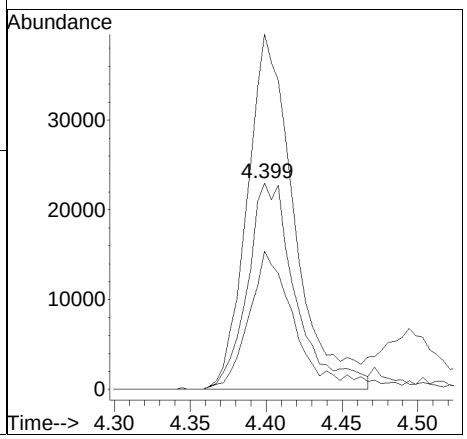


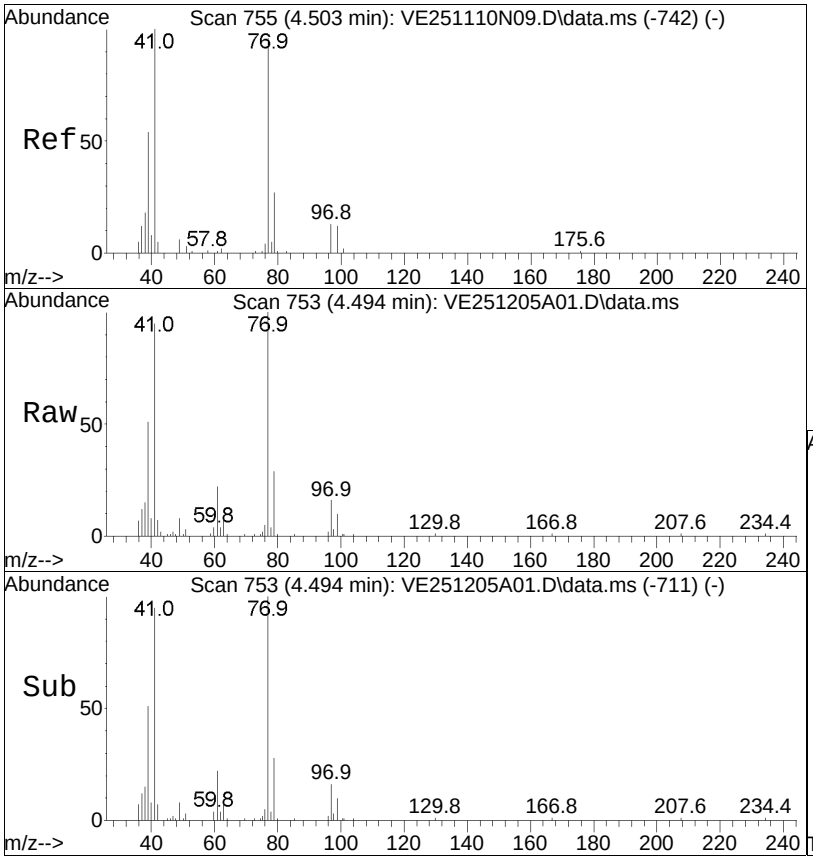


#30
cis-1,2-Dichloroethene
Concen: 10.19 ug/L
RT: 4.399 min Scan# 732
Delta R.T. -0.013 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 96 Resp: 51000

Ion	Ratio	Lower	Upper
96	100		
61	167.5	153.3	229.9
98	60.6	52.8	79.2

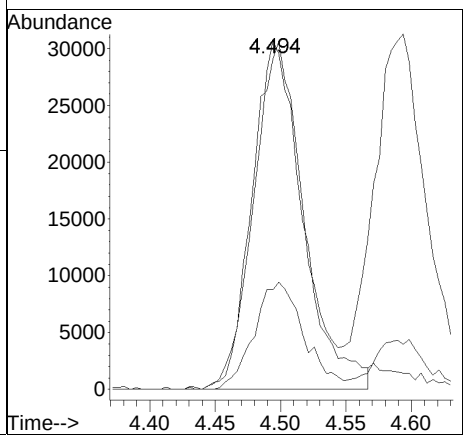


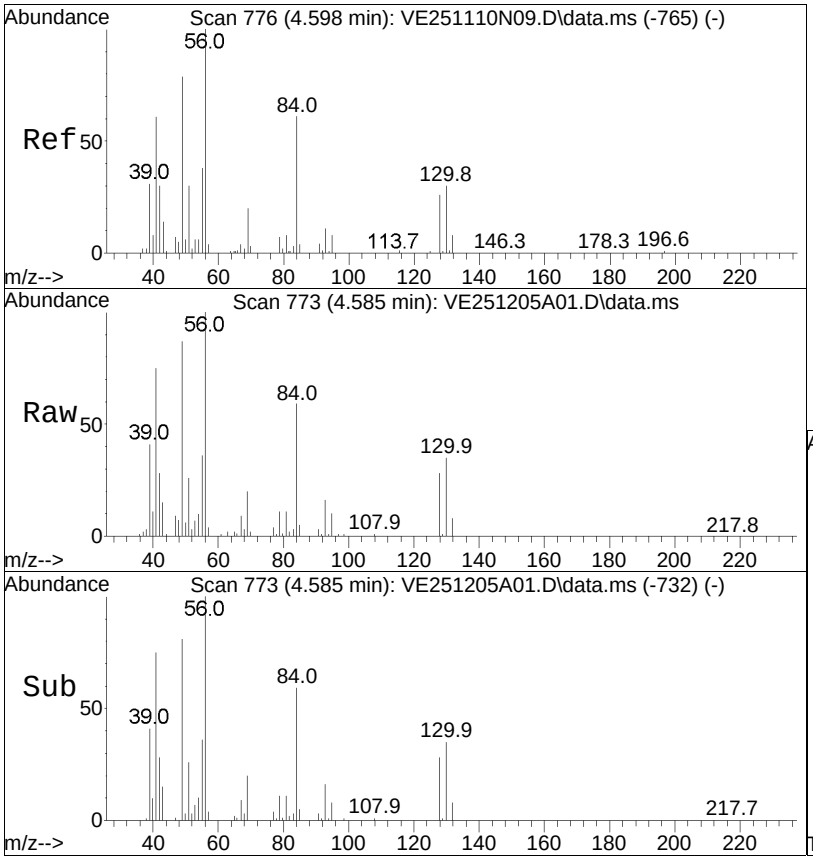


#31
2,2-Dichloropropane
Concen: 11.43 ug/L
RT: 4.494 min Scan# 753
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 77 Resp: 80857

Ion	Ratio	Lower	Upper
77	100		
41	100.9	64.5	134.1
79	30.9	20.8	43.2

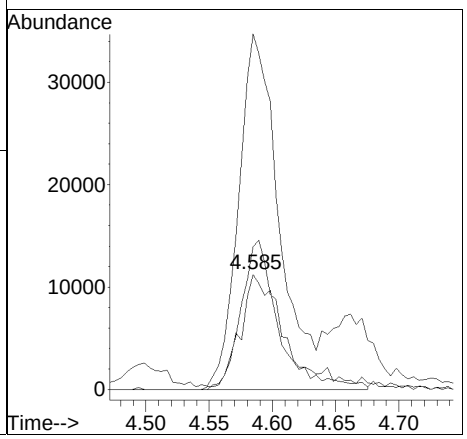


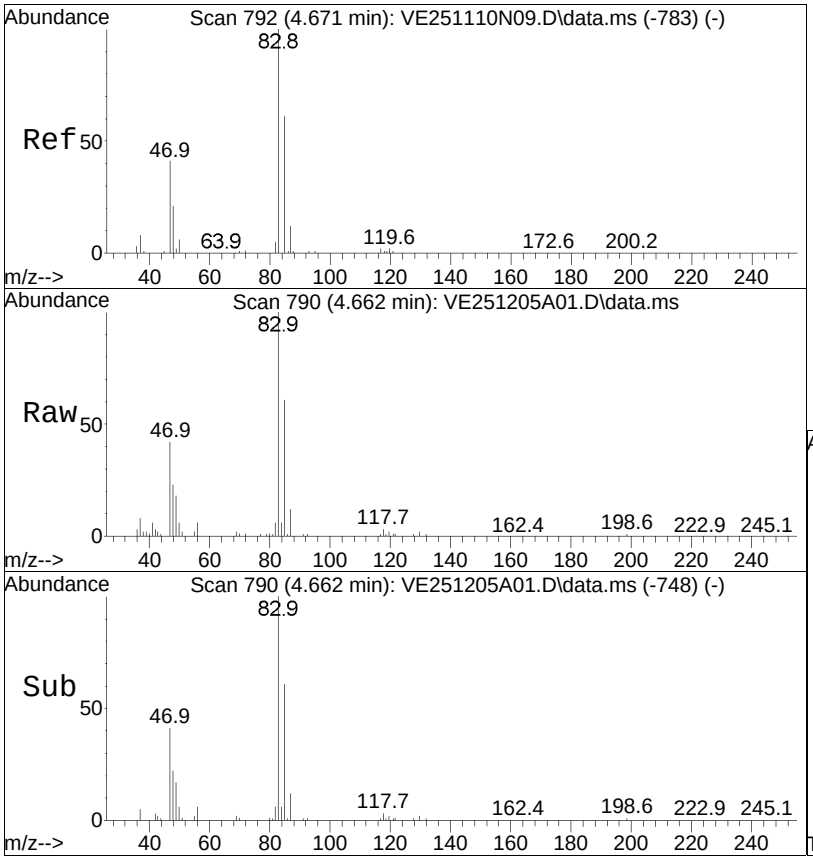


#33
Bromochloromethane
Concen: 11.82 ug/L
RT: 4.585 min Scan# 773
Delta R.T. -0.013 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:128 Resp: 25967

Ion	Ratio	Lower	Upper
128	100		
49	290.5	295.7	443.5#
130	123.3	101.9	152.9

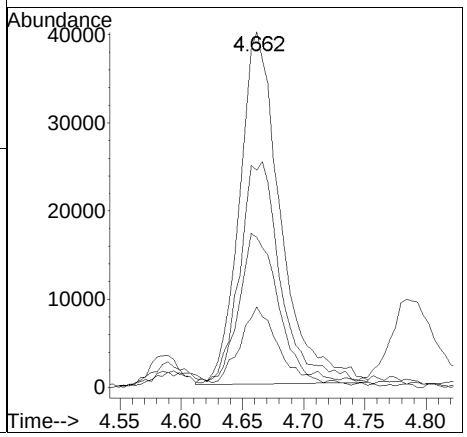


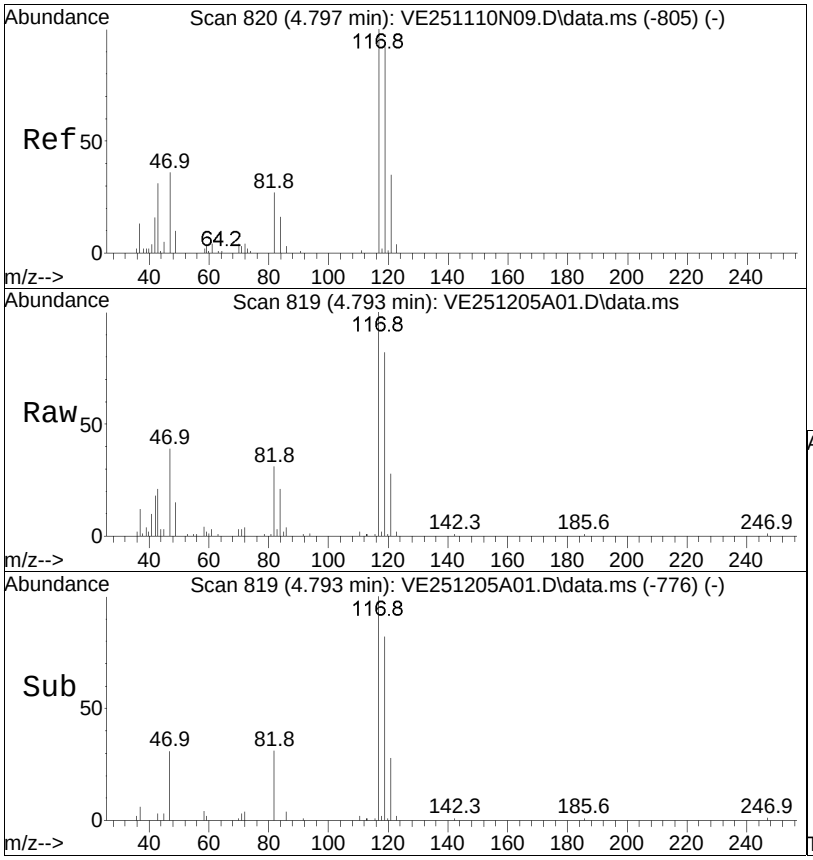


#35
Chloroform
Concen: 10.45 ug/L
RT: 4.662 min Scan# 790
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 83 Resp: 93514

Ion	Ratio	Lower	Upper
83	100		
85	64.5	42.4	88.2
47	40.7	23.7	49.3
48	20.4	14.4	29.8

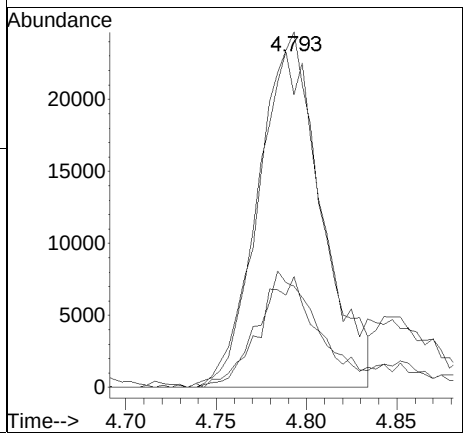


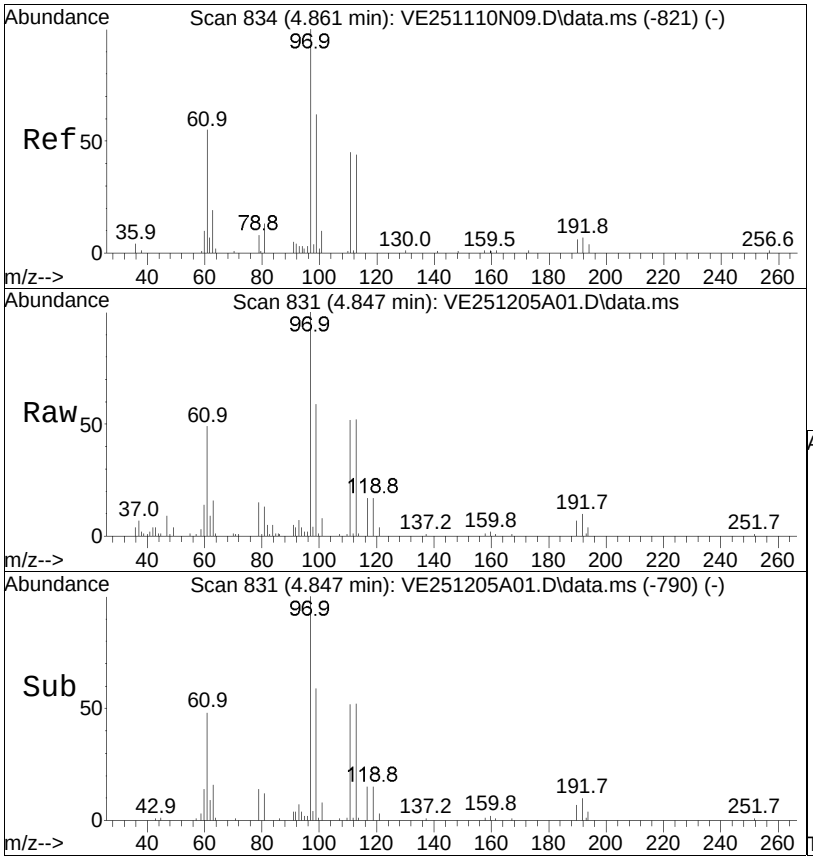


#37
Carbon tetrachloride
Concen: 11.22 ug/L
RT: 4.793 min Scan# 819
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:117 Resp: 60030

Ion	Ratio	Lower	Upper
117	100		
119	95.8	74.8	155.4
121	31.6	23.5	48.7
82	29.6	22.5	46.7

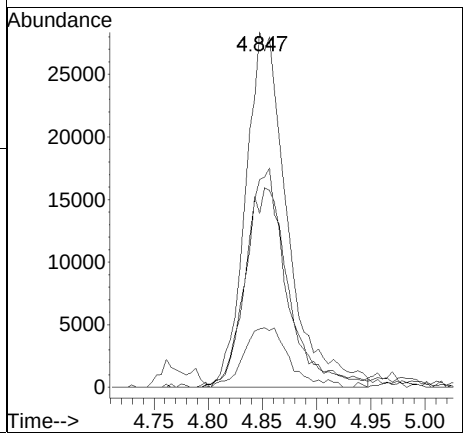


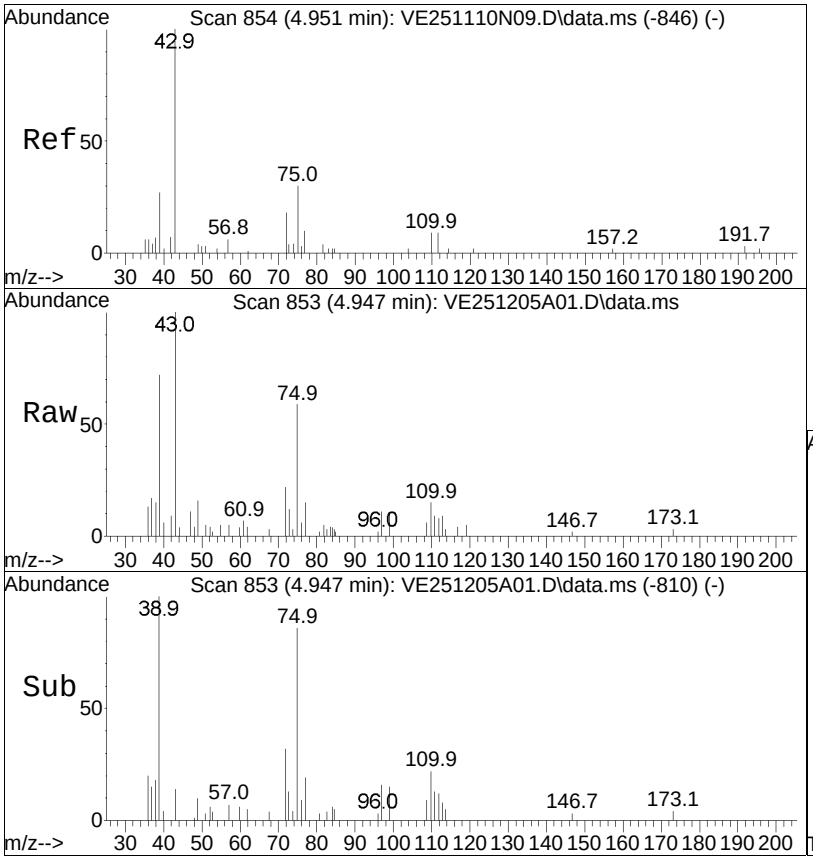


#40
1,1,1-Trichloroethane
Concen: 11.31 ug/L
RT: 4.847 min Scan# 831
Delta R.T. -0.014 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 97 Resp: 76515

Ion	Ratio	Lower	Upper
97	100		
99	62.1	40.7	84.5
61	57.4	40.5	84.1
63	17.8	11.8	24.6

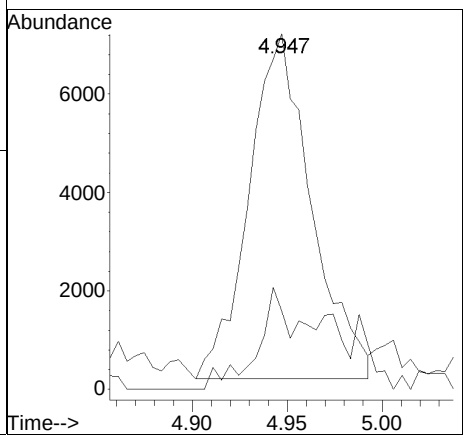


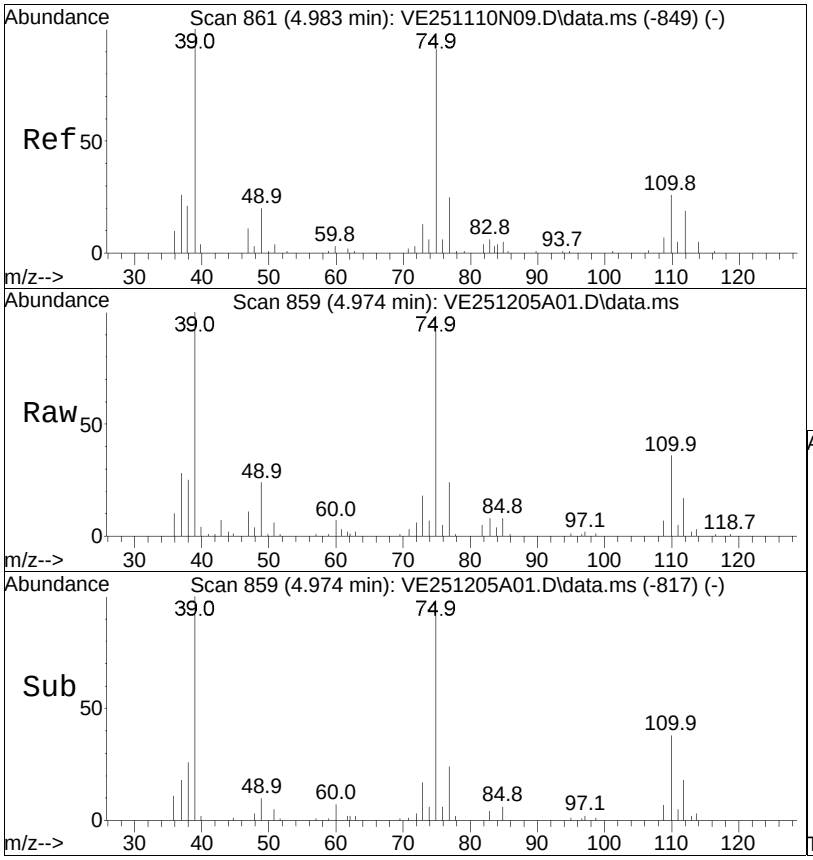


#42
2-Butanone
Concen: 7.47 ug/L
RT: 4.947 min Scan# 853
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 43 Resp: 16106

Ion	Ratio	Lower	Upper
43	100		
72	14.1	22.8	34.2#

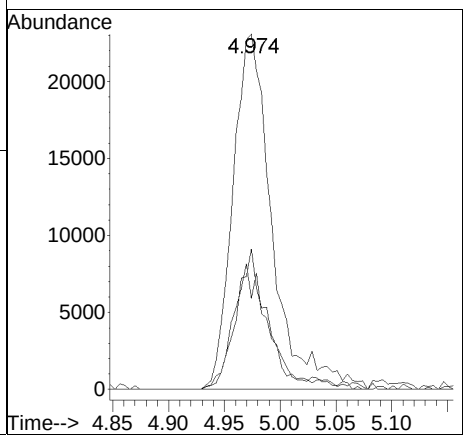


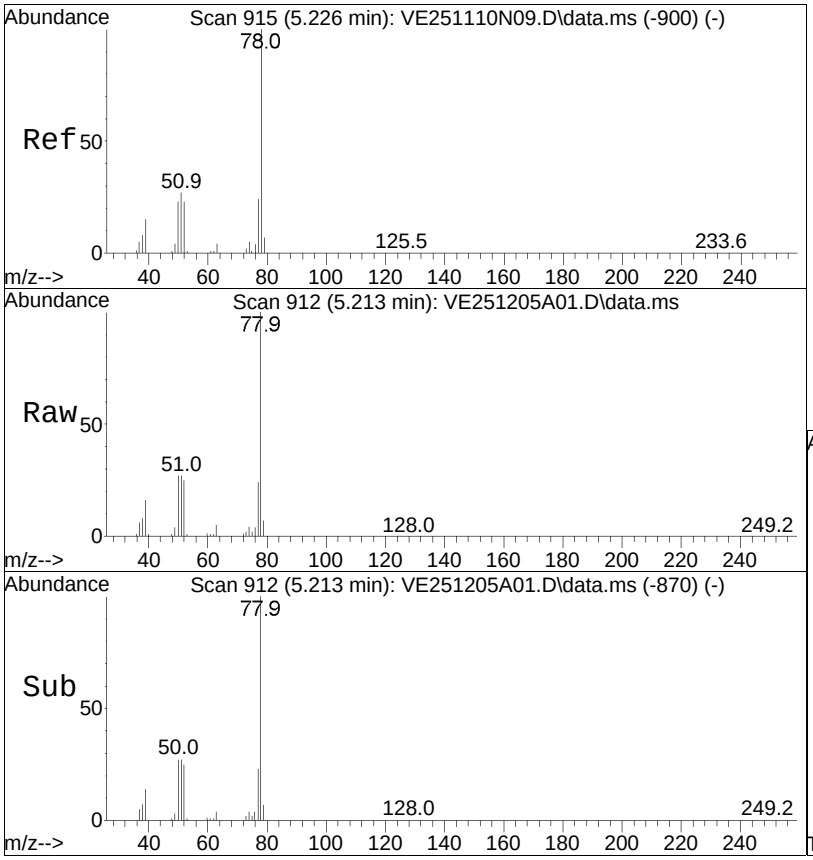


#43
1,1-Dichloropropene
Concen: 9.91 ug/L
RT: 4.974 min Scan# 859
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 75 Resp: 56695

Ion	Ratio	Lower	Upper
75	100		
110	31.4	20.5	42.7
77	30.7	20.0	41.6

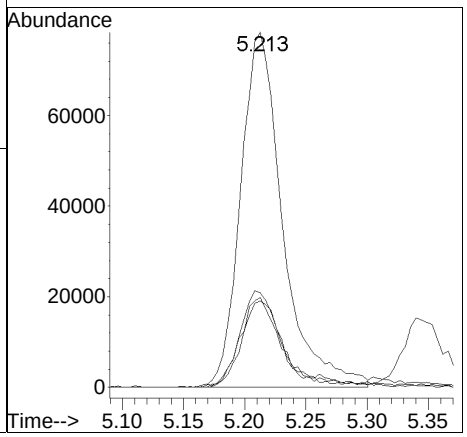


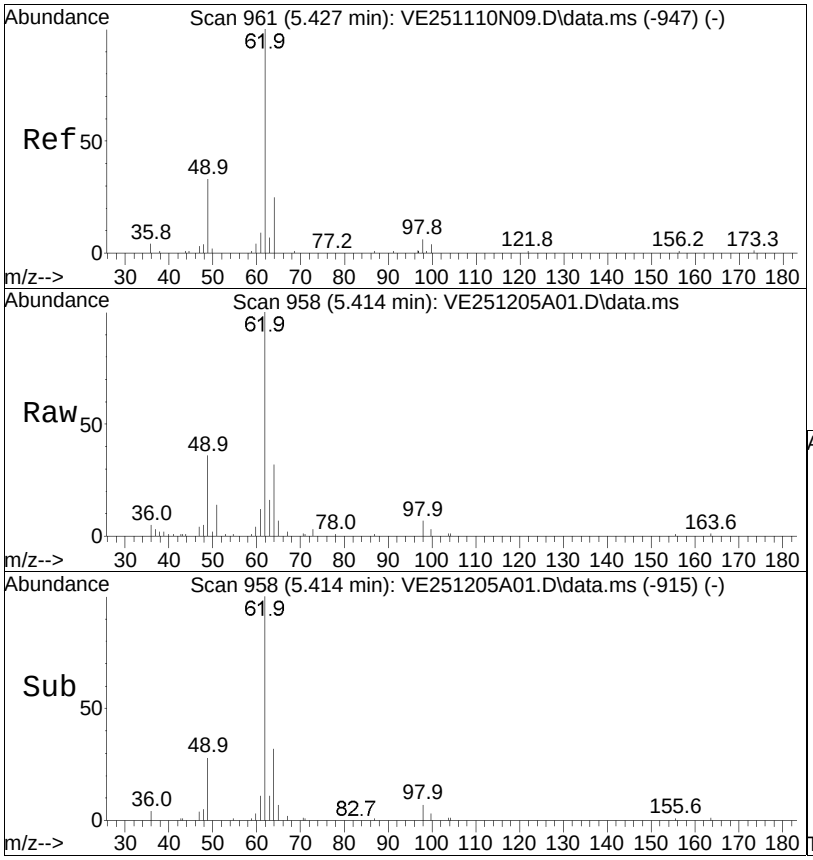


#45
Benzene
Concen: 10.32 ug/L
RT: 5.213 min Scan# 912
Delta R.T. -0.013 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 78 Resp: 187389

Ion	Ratio	Lower	Upper
78	100		
77	23.7	15.7	32.7
51	26.1	17.1	35.5
52	24.4	16.2	33.6

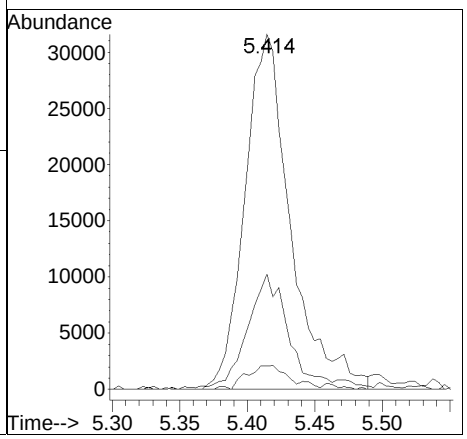


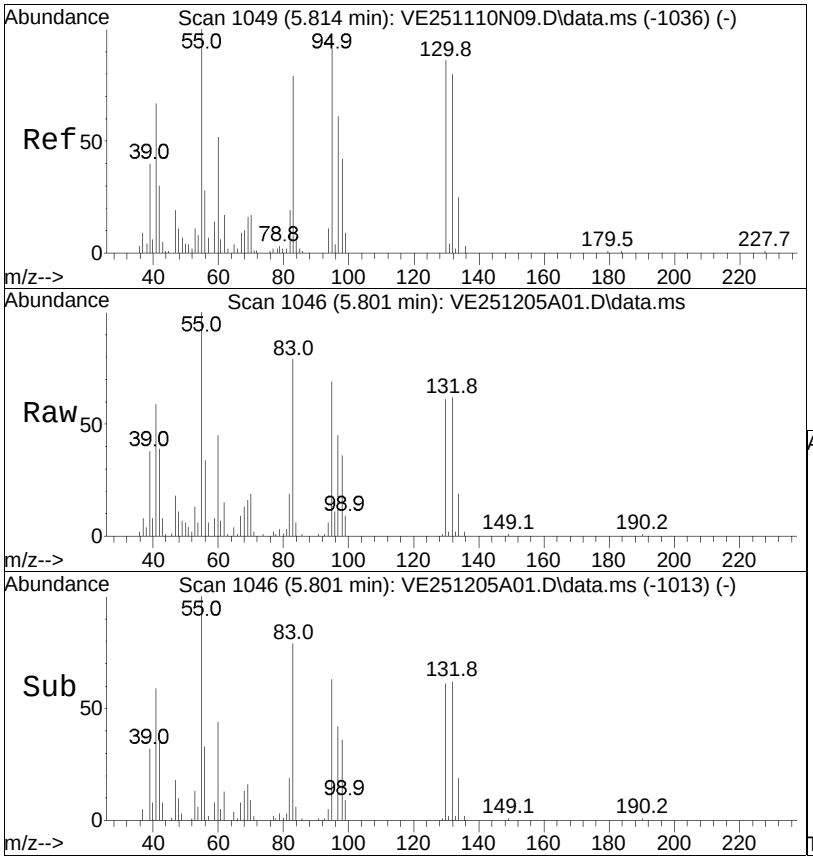


#48
1,2-Dichloroethane
Concen: 9.93 ug/L
RT: 5.414 min Scan# 958
Delta R.T. -0.013 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 62 Resp: 74548

Ion	Ratio	Lower	Upper
62	100		
64	29.1	10.9	50.9
98	6.5	0.0	27.2

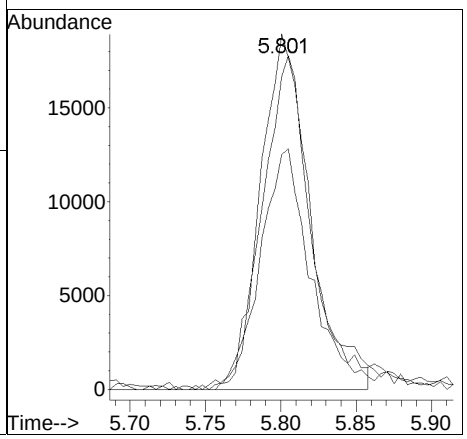


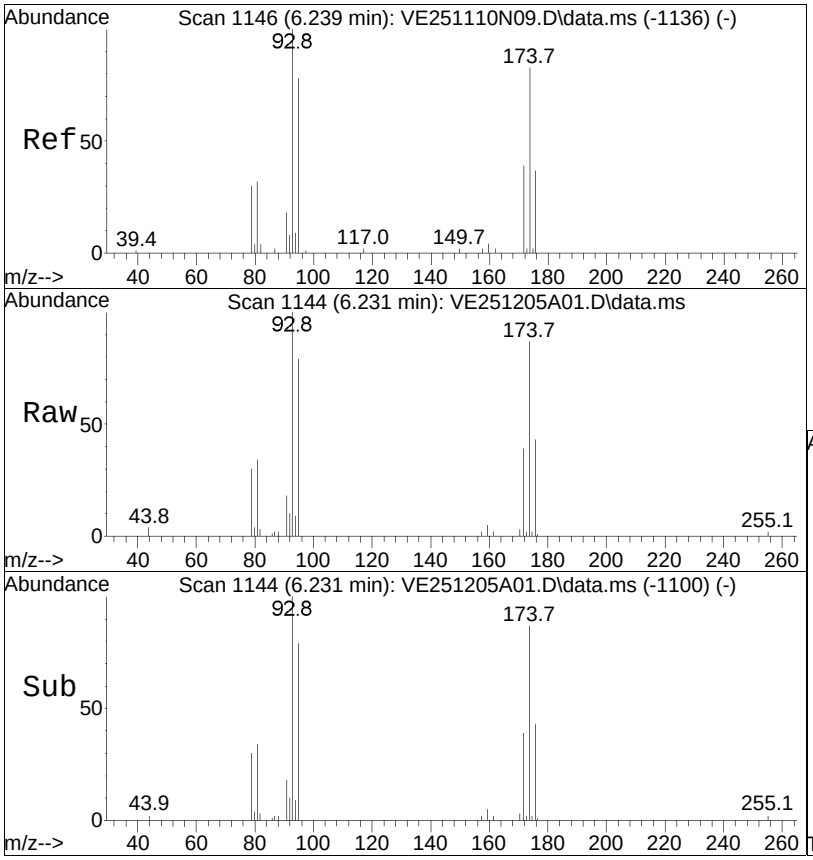


#52
Trichloroethene
Concen: 9.85 ug/L
RT: 5.801 min Scan# 1046
Delta R.T. -0.013 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 95 Resp: 43141

Ion	Ratio	Lower	Upper
95	100		
97	70.2	54.4	81.6
130	96.4	73.7	110.5

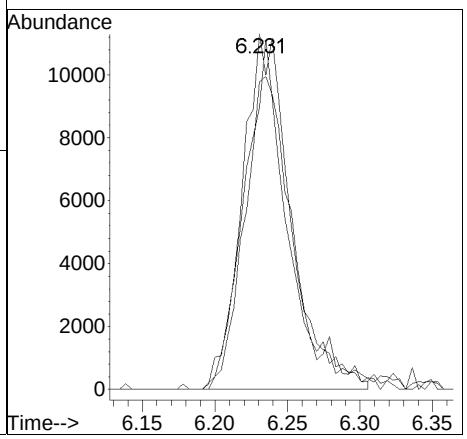


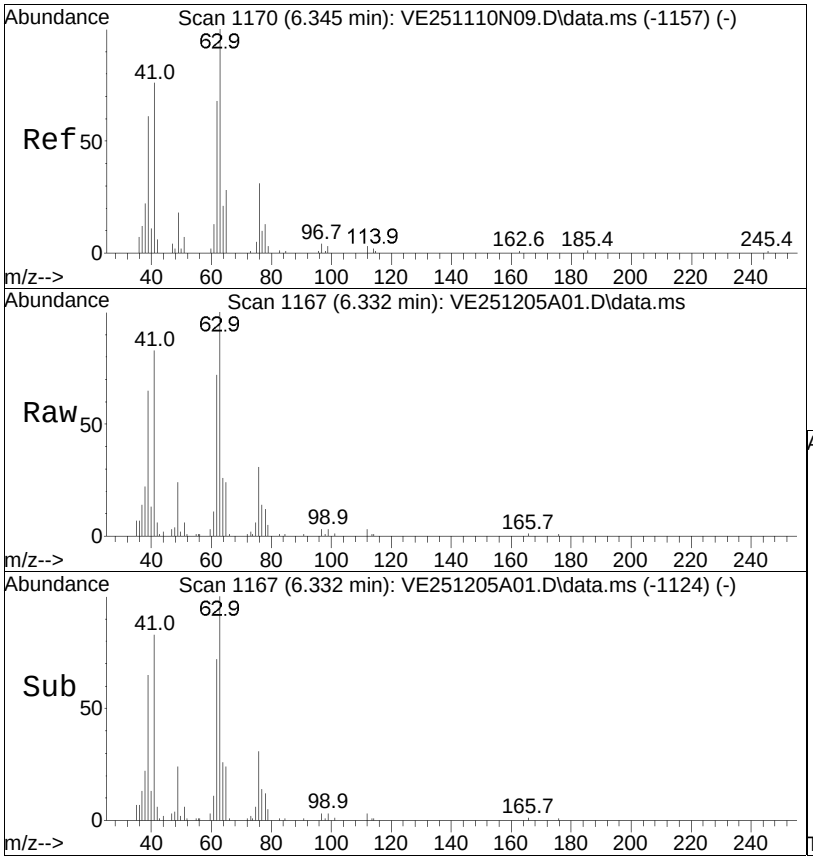


#54
Dibromomethane
Concen: 9.70 ug/L
RT: 6.231 min Scan# 1144
Delta R.T. -0.008 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 93 Resp: 26165

Ion	Ratio	Lower	Upper
93	100		
95	84.3	67.4	101.0
174	88.7	64.7	97.1

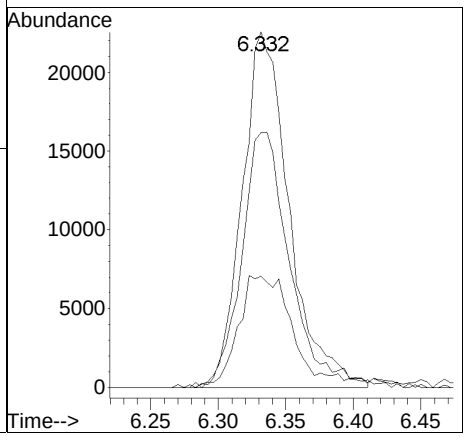


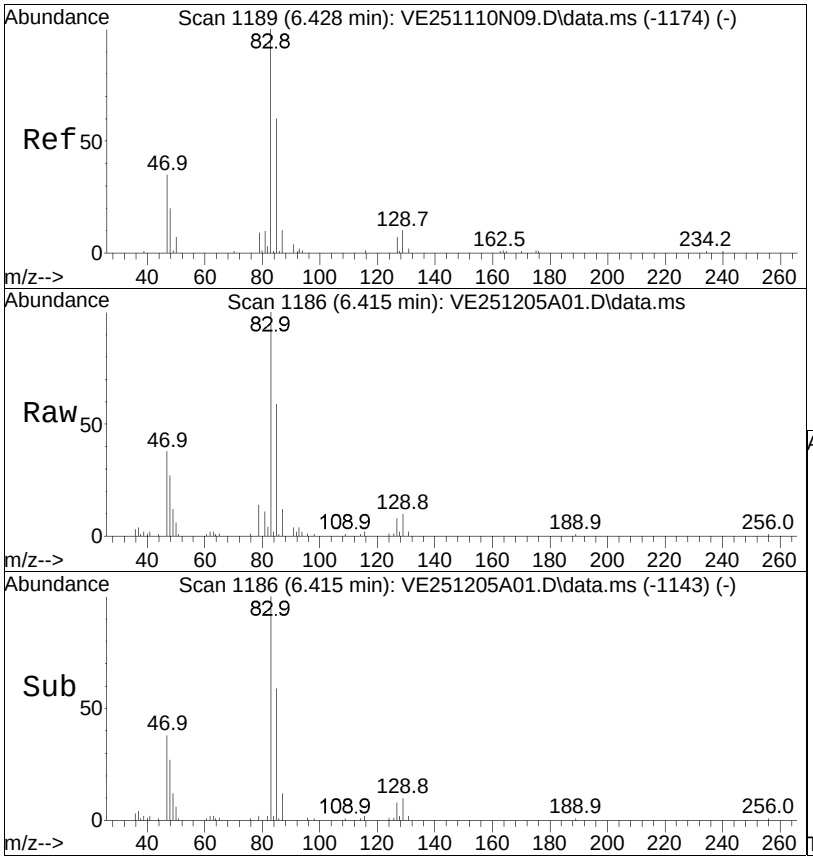


#55
1,2-Dichloropropane
Concen: 9.50 ug/L
RT: 6.332 min Scan# 1167
Delta R.T. -0.013 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 63 Resp: 54681

Ion	Ratio	Lower	Upper
63	100		
62	73.2	57.2	85.8
76	37.3	28.4	42.6

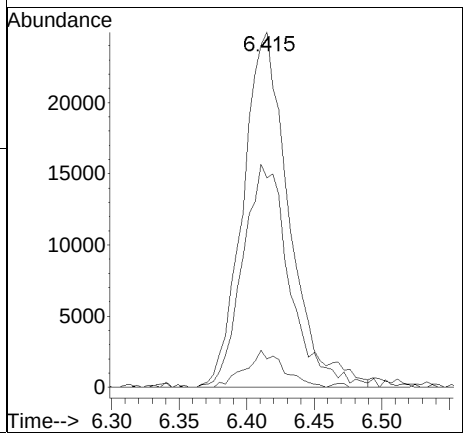


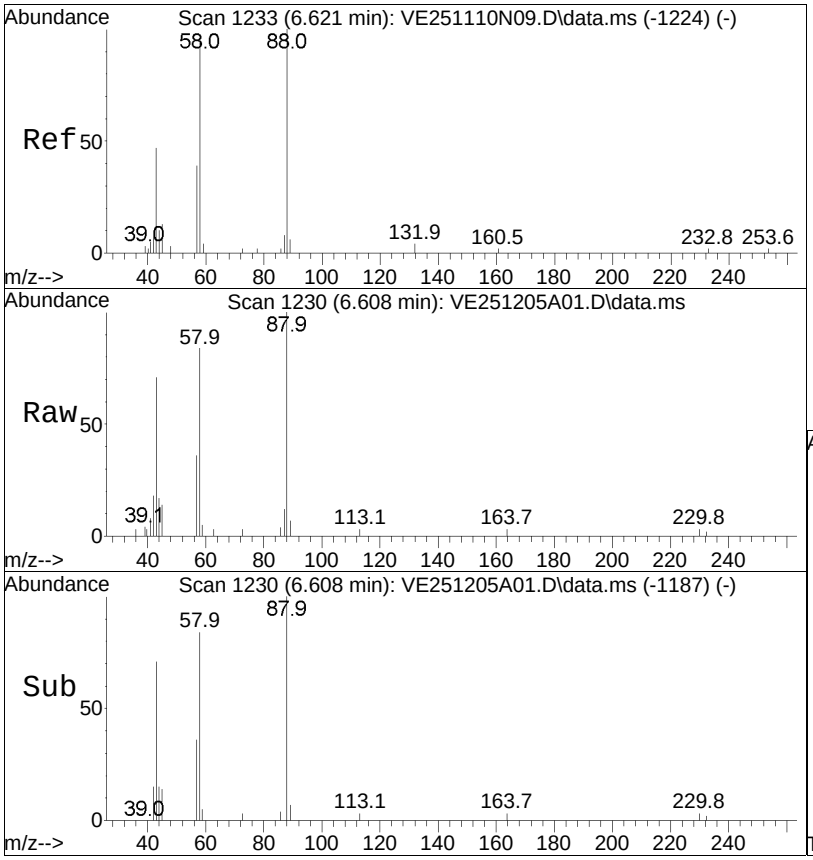


#58
Bromodichloromethane
Concen: 9.56 ug/L
RT: 6.415 min Scan# 1186
Delta R.T. -0.013 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 83 Resp: 59568

Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.9	80.9
127	8.7	6.2	9.4

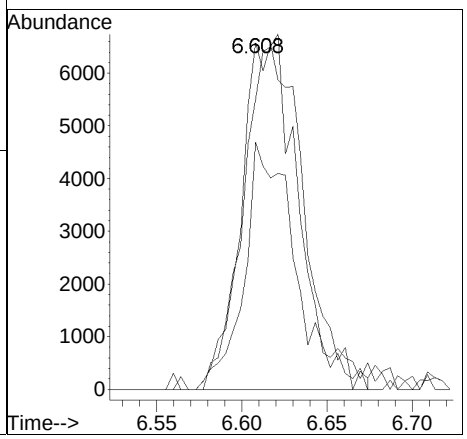


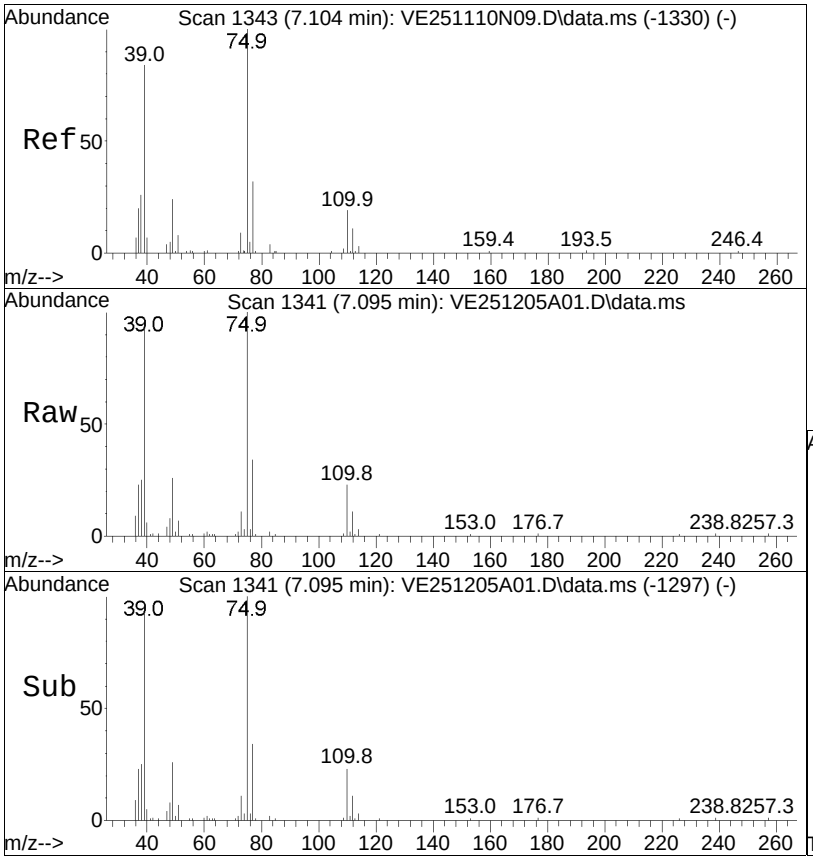


#61
1,4-Dioxane
Concen: 475.79 ug/L
RT: 6.608 min Scan# 1230
Delta R.T. -0.013 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 88 Resp: 16566

Ion	Ratio	Lower	Upper
88	100		
58	87.3	76.1	114.1
43	59.2	41.8	62.8

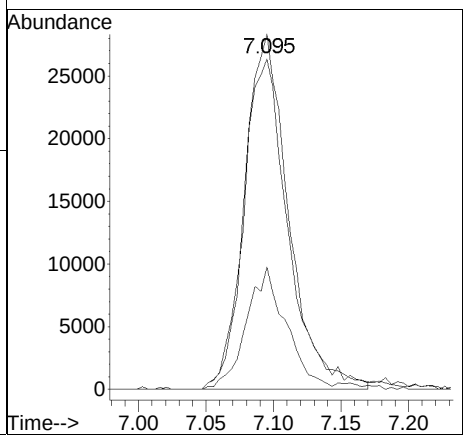


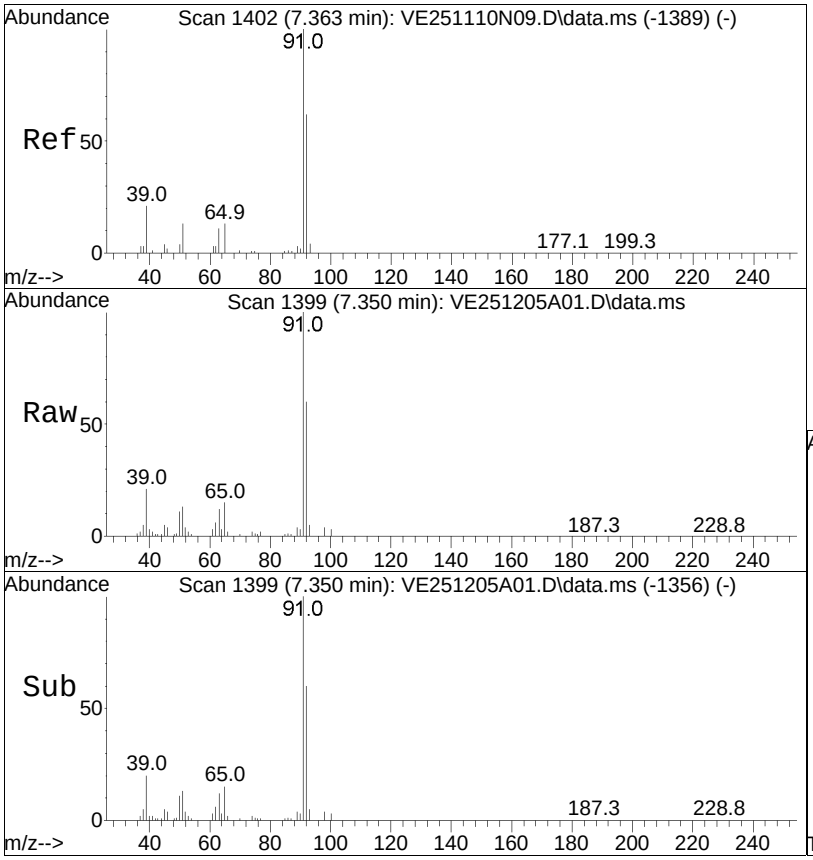


#62
cis-1,3-Dichloropropene
Concen: 9.36 ug/L
RT: 7.095 min Scan# 1341
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 75 Resp: 64088

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.0	39.0
39	95.6	74.6	112.0

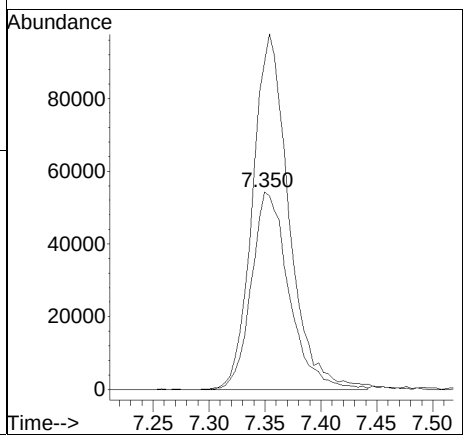


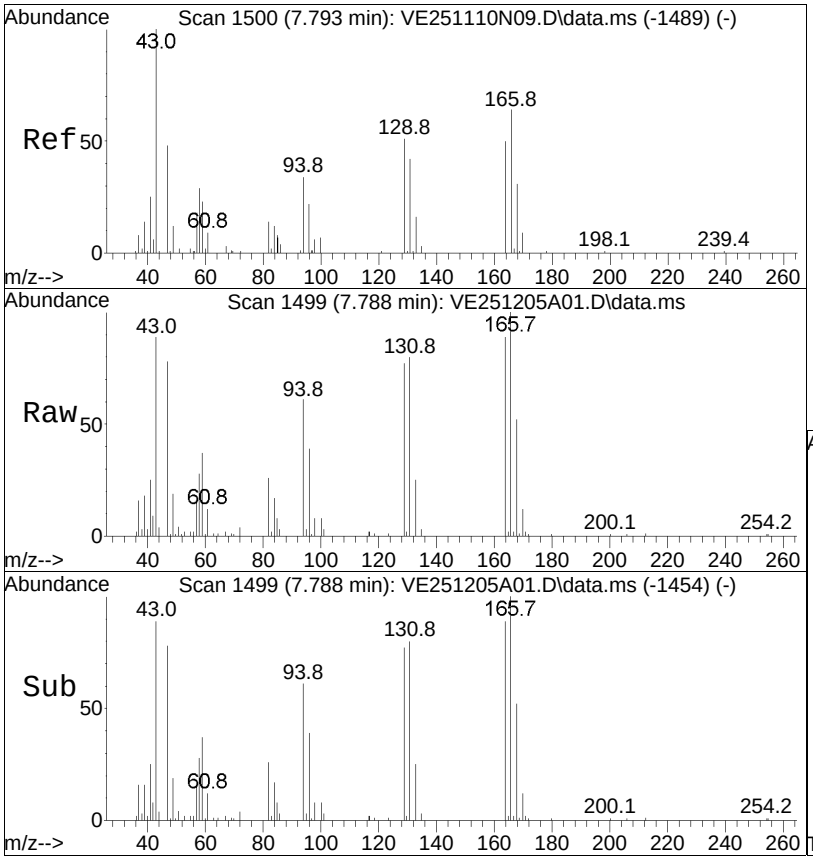


#65
Toluene
Concen: 9.99 ug/L
RT: 7.350 min Scan# 1399
Delta R.T. -0.013 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 92 Resp: 126872

Ion	Ratio	Lower	Upper
92	100		
91	174.6	136.4	204.6

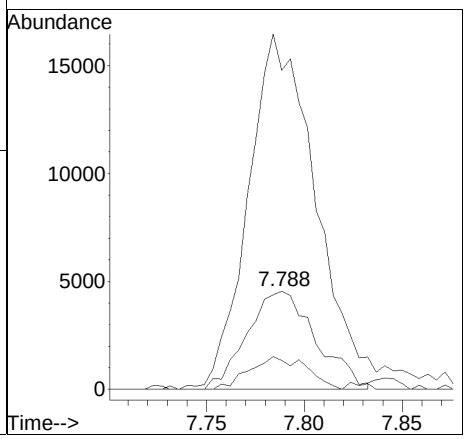


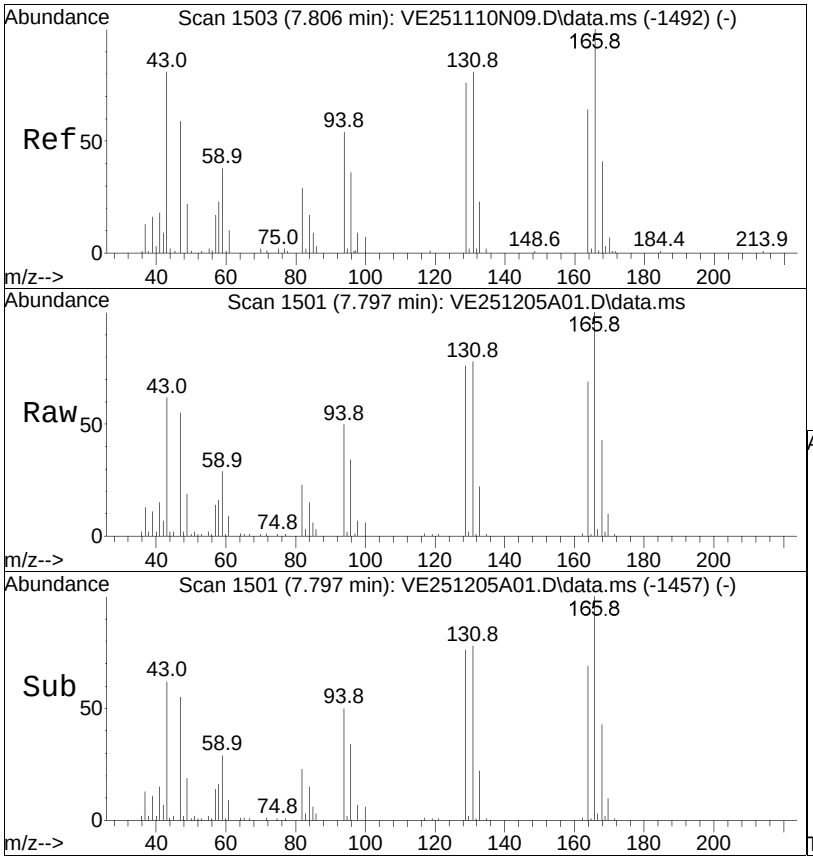


#66
4-Methyl-2-pentanone
Concen: 6.78 ug/L
RT: 7.788 min Scan# 1499
Delta R.T. -0.005 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 58 Resp: 11130

Ion	Ratio	Lower	Upper
58	100		
100	27.8	23.0	34.6
43	363.8	270.1	405.1

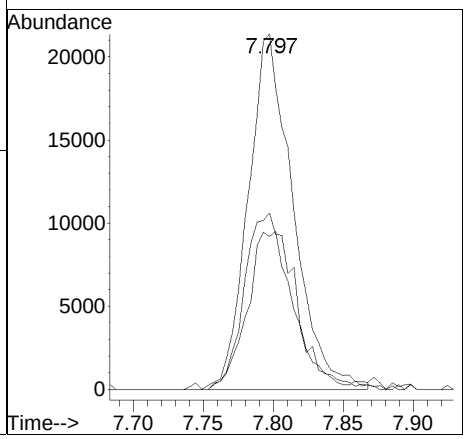


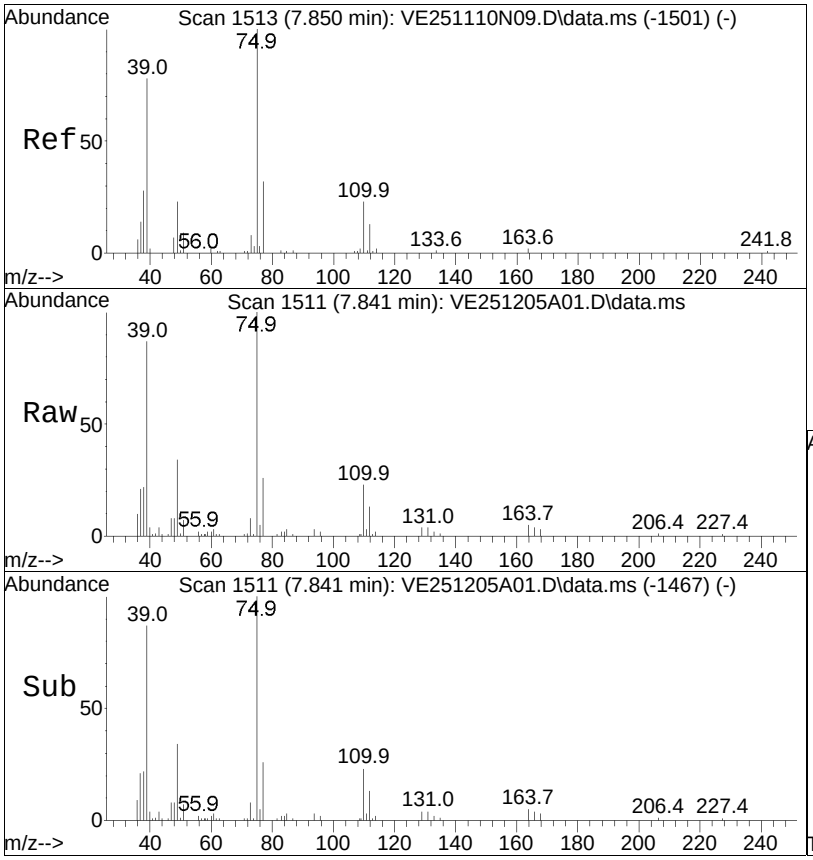


#67
Tetrachloroethene
Concen: 10.52 ug/L
RT: 7.797 min Scan# 1501
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:166 Resp: 47605

Ion	Ratio	Lower	Upper
166	100		
168	47.3	27.8	67.8
94	55.0	38.7	78.7

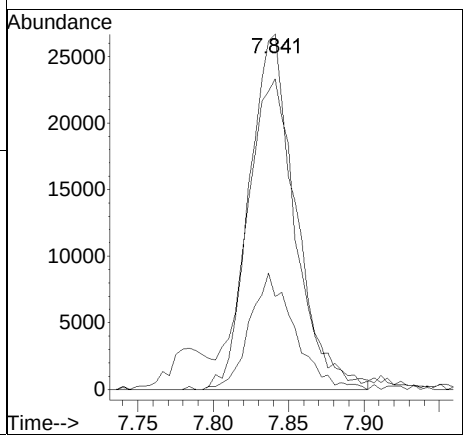


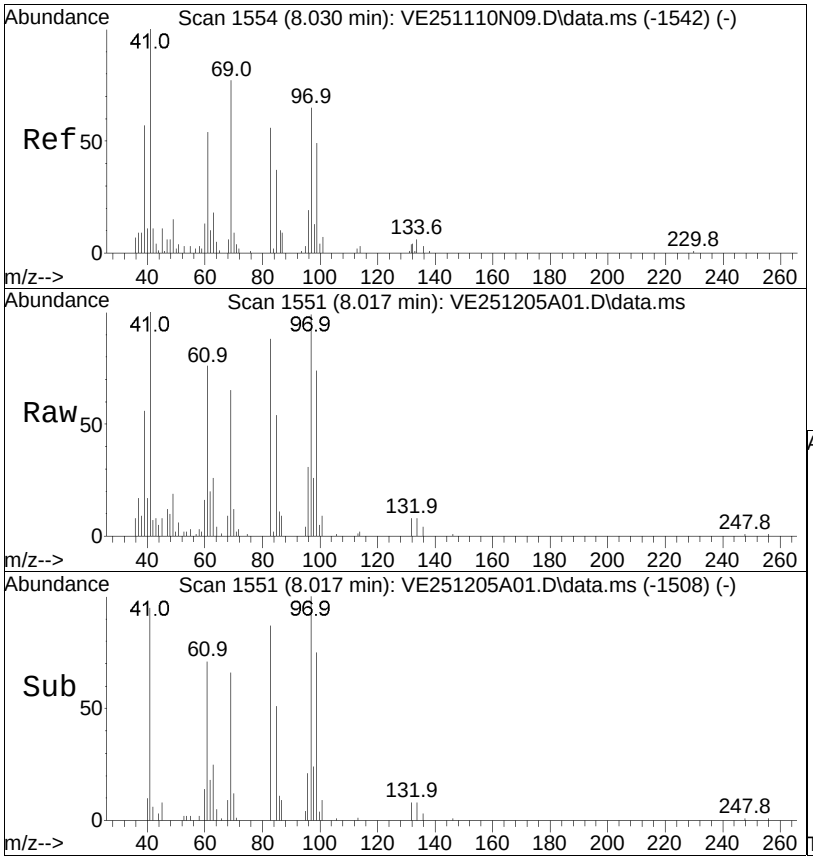


#69
trans-1,3-Dichloropropene
Concen: 7.49 ug/L
RT: 7.841 min Scan# 1511
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 75 Resp: 56712

Ion	Ratio	Lower	Upper
75	100		
77	31.9	10.9	50.9
39	90.6	68.1	108.1

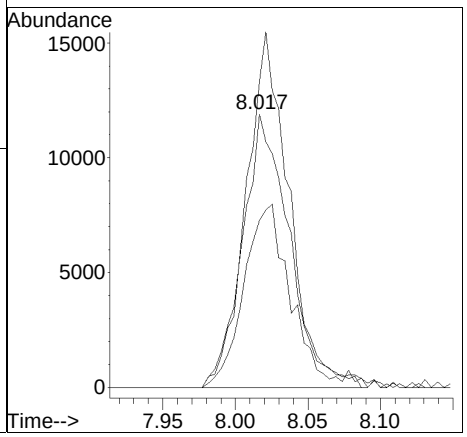


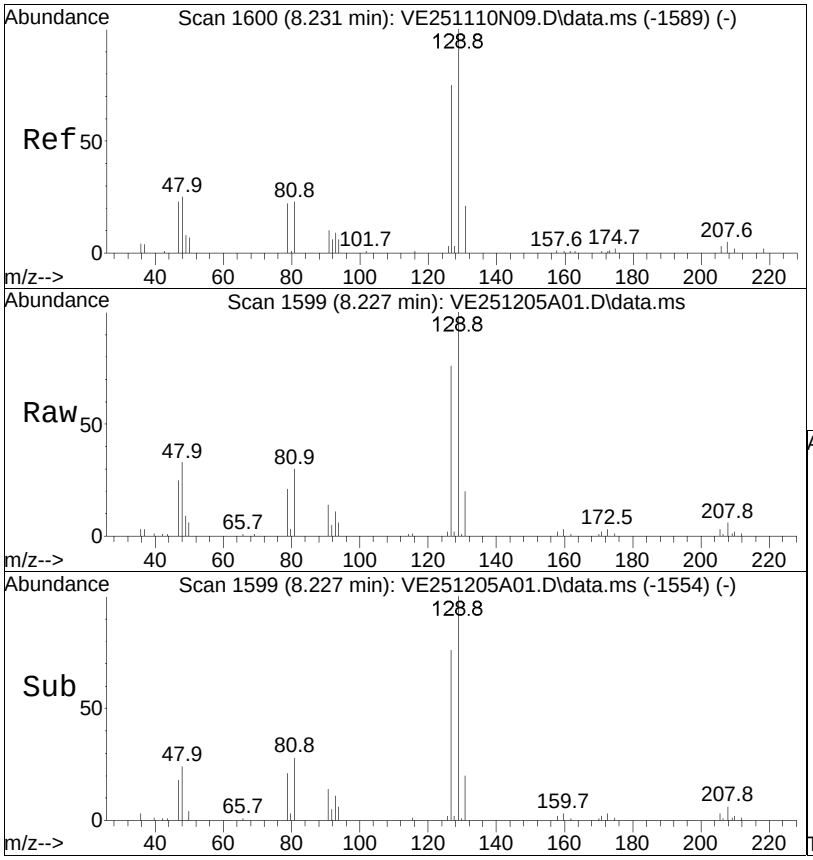


#72
1,1,2-Trichloroethane
Concen: 8.09 ug/L
RT: 8.017 min Scan# 1551
Delta R.T. -0.013 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 83 Resp: 26716

Ion	Ratio	Lower	Upper
83	100		
97	119.9	93.5	133.5
85	66.4	45.2	85.2

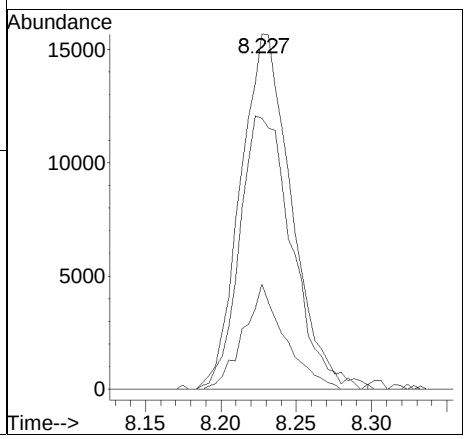


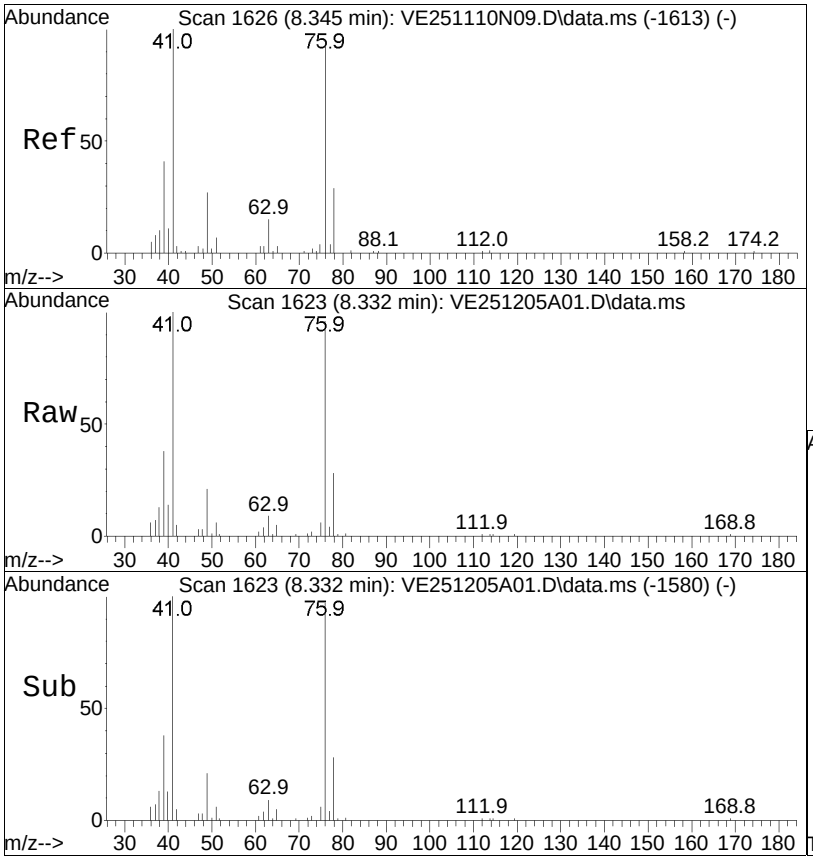


#73
Chlorodibromomethane
Concen: 8.36 ug/L
RT: 8.227 min Scan# 1599
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:129 Resp: 37119

Ion	Ratio	Lower	Upper
129	100		
81	24.1	4.8	44.8
127	78.5	56.3	96.3

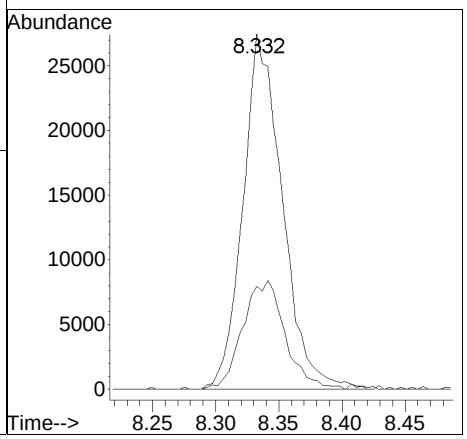


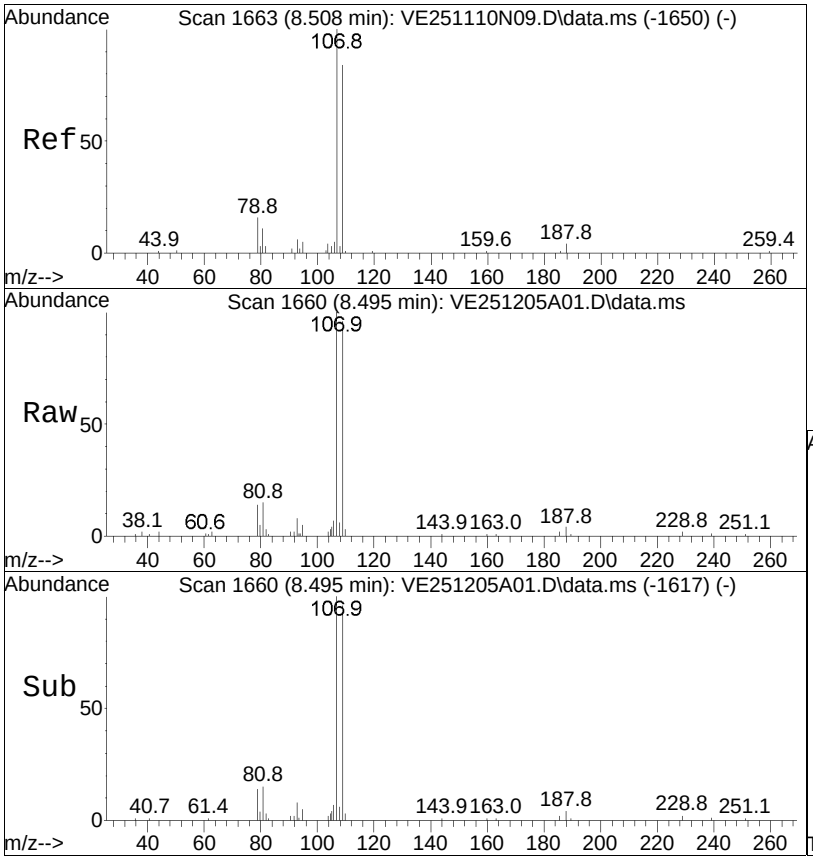


#74
1,3-Dichloropropane
Concen: 8.13 ug/L
RT: 8.332 min Scan# 1623
Delta R.T. -0.013 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 76 Resp: 59591

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.2	39.4

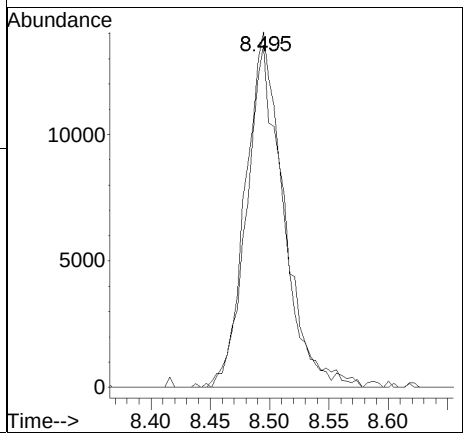


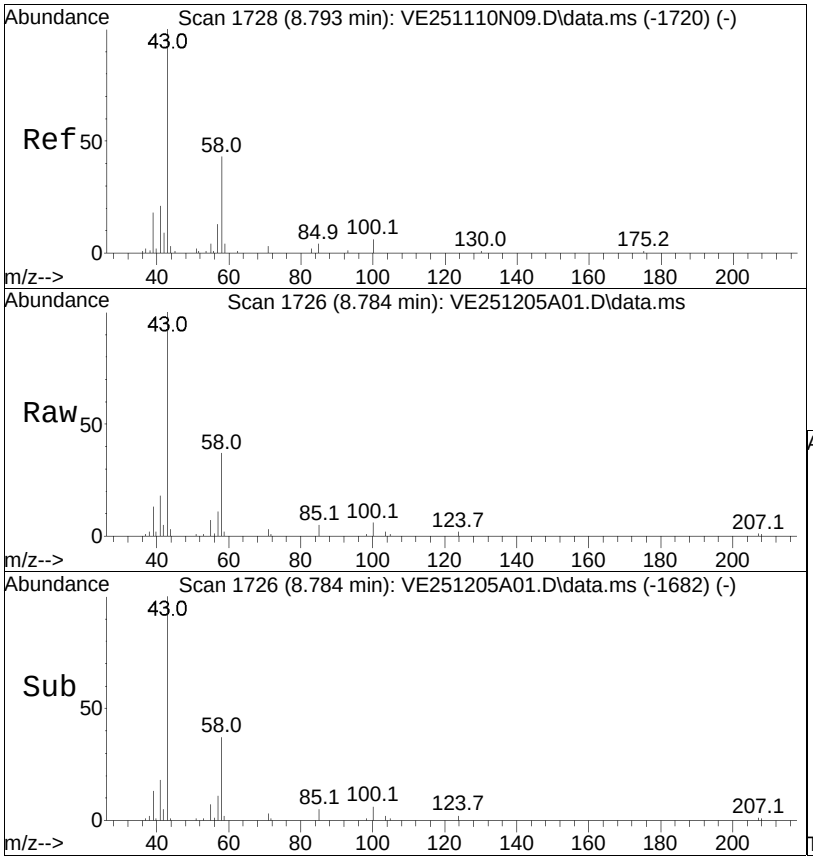


#75
1,2-Dibromoethane
Concen: 8.14 ug/L
RT: 8.495 min Scan# 1660
Delta R.T. -0.013 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:107 Resp: 31885

Ion	Ratio	Lower	Upper
107	100		
109	89.8	73.0	109.6

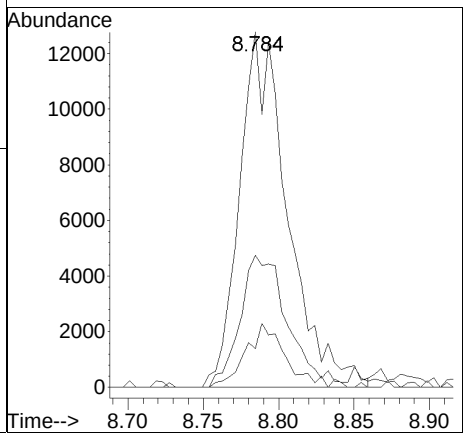


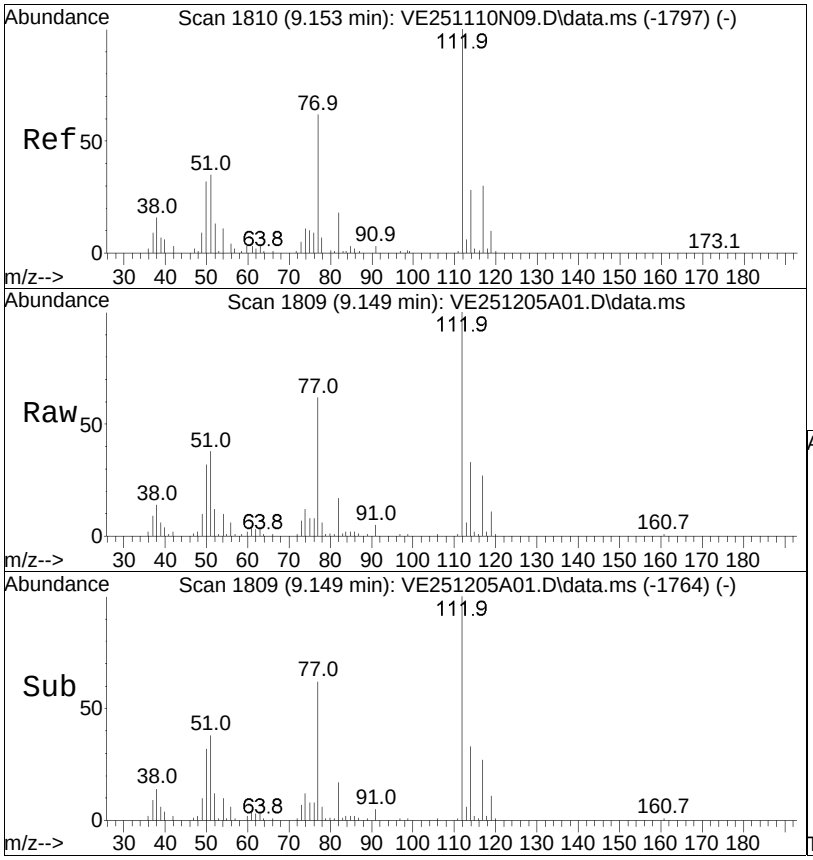


#77
2-Hexanone
Concen: 7.22 ug/L
RT: 8.784 min Scan# 1726
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 43 Resp: 28406

Ion	Ratio	Lower	Upper
43	100		
58	36.8	34.3	51.5
57	14.7	12.5	18.7

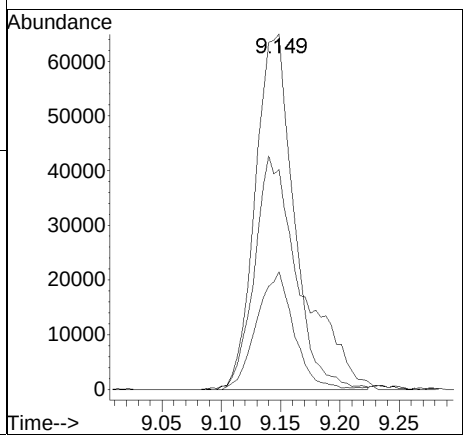


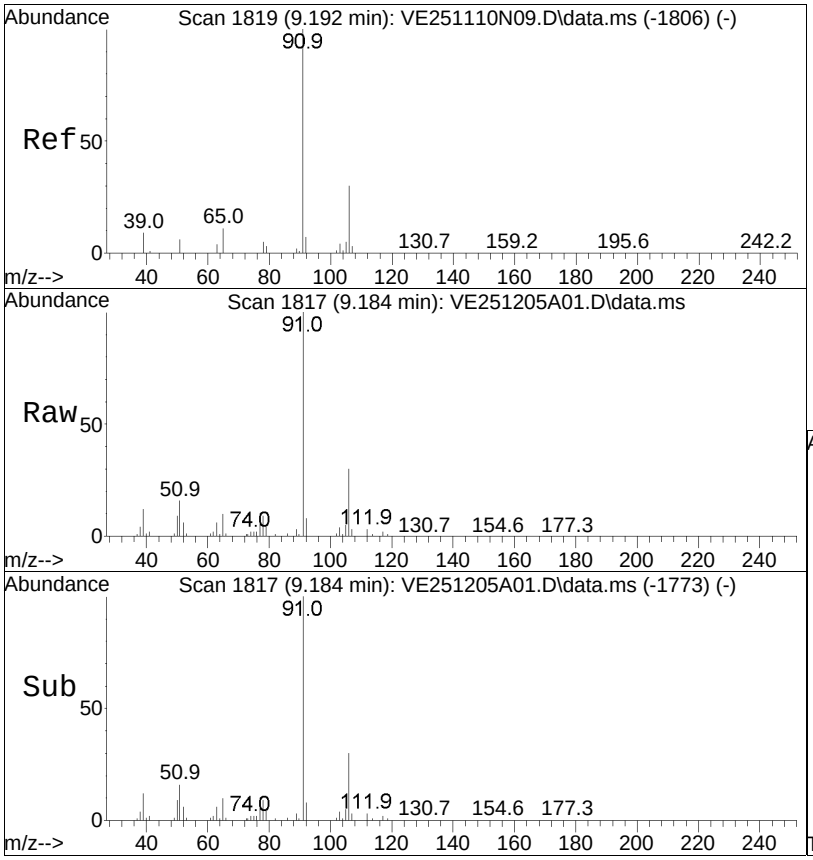


#78
Chlorobenzene
Concen: 10.21 ug/L
RT: 9.149 min Scan# 1809
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:112 Resp: 145009

Ion	Ratio	Lower	Upper
112	100		
77	82.7	67.3	100.9
114	32.3	25.6	38.4

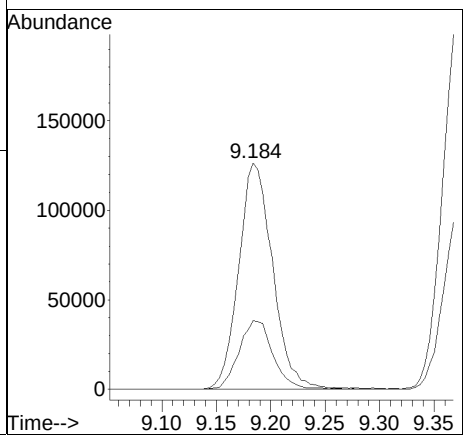


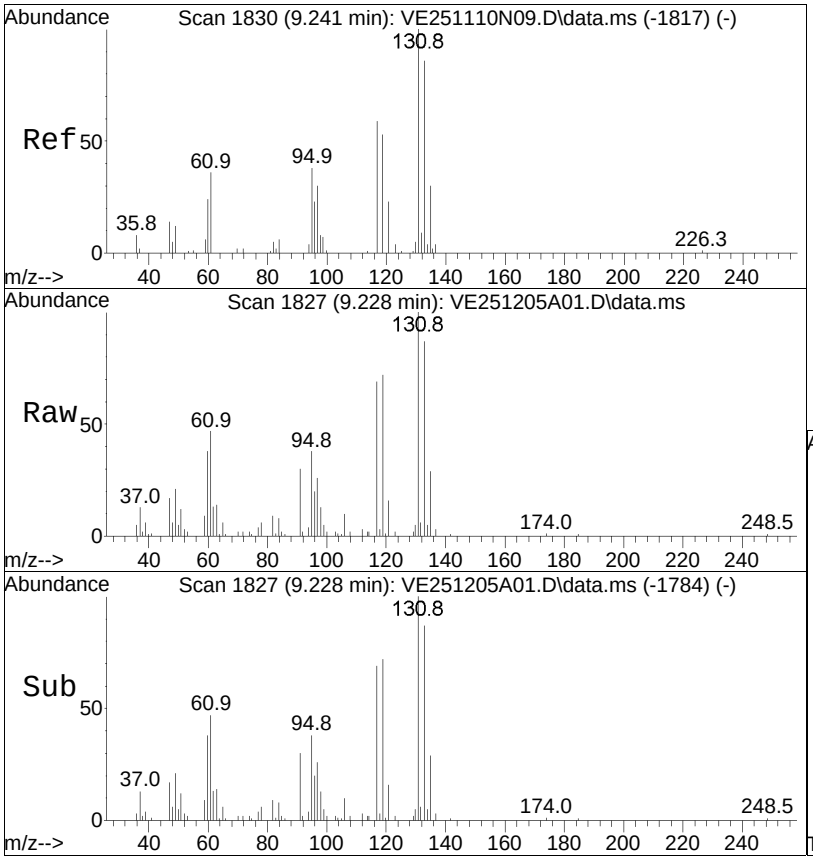


#79
Ethylbenzene
Concen: 10.38 ug/L
RT: 9.184 min Scan# 1817
Delta R.T. -0.008 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 91 Resp: 275324

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.4	35.0

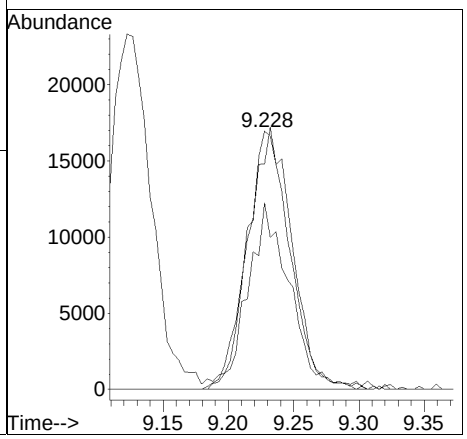


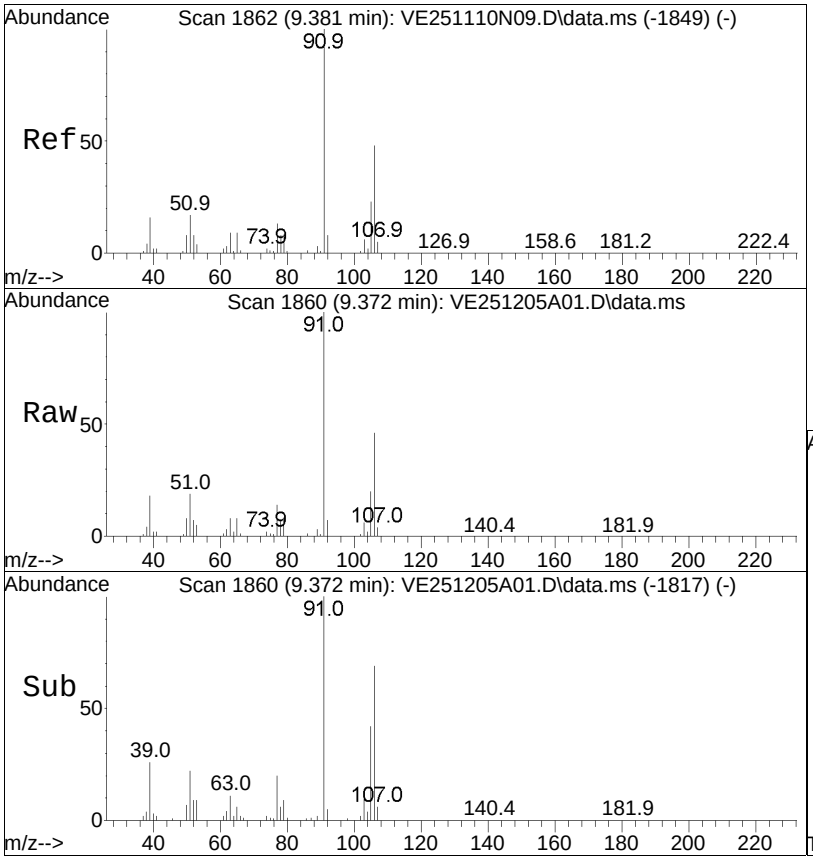


#80
1,1,1,2-Tetrachloroethane
Concen: 9.61 ug/L
RT: 9.228 min Scan# 1827
Delta R.T. -0.013 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:131 Resp: 41368

Ion	Ratio	Lower	Upper
131	100		
133	92.1	72.9	112.9
119	65.3	43.8	83.8

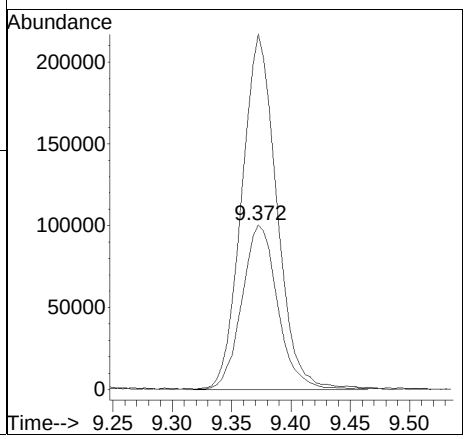


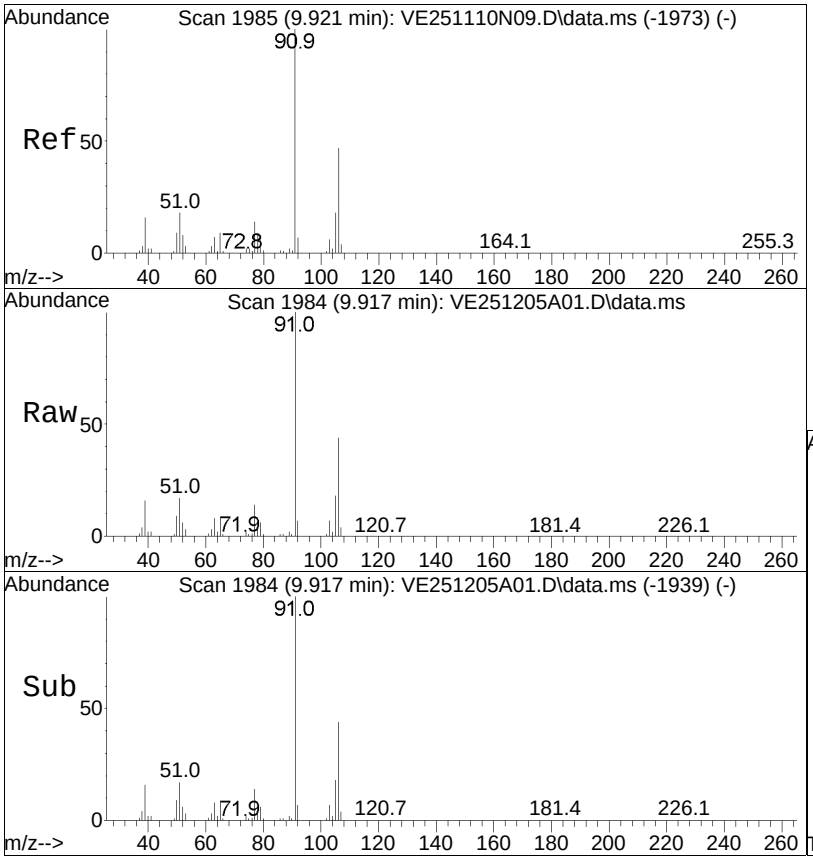


#81
p/m Xylene
Concen: 20.34 ug/L
RT: 9.372 min Scan# 1860
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:106 Resp: 210767

Ion	Ratio	Lower	Upper
106	100		
91	210.6	165.2	247.8

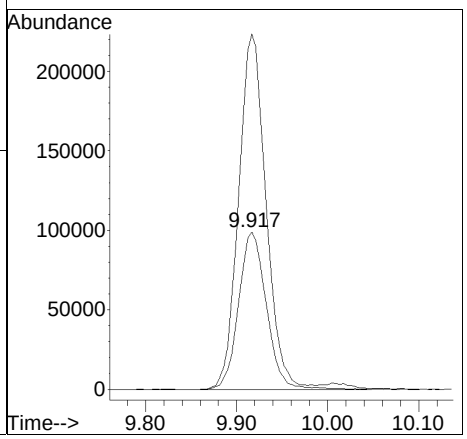


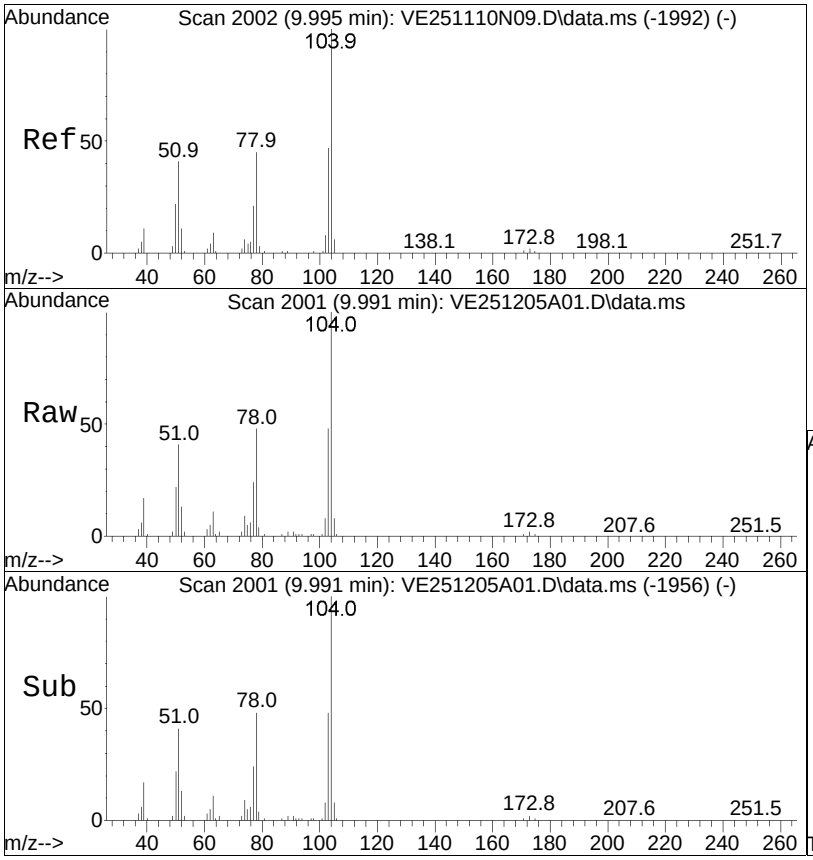


#82
o Xylene
Concen: 20.50 ug/L
RT: 9.917 min Scan# 1984
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:106 Resp: 210545

Ion	Ratio	Lower	Upper
106	100		
91	221.0	181.8	272.8

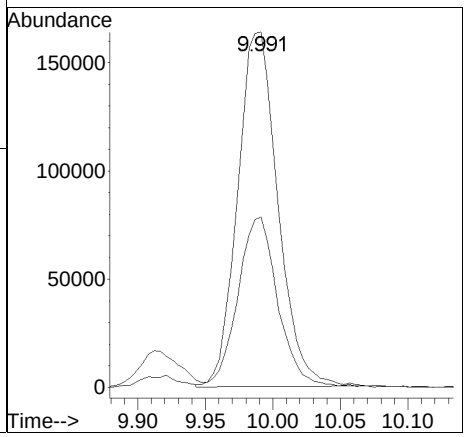


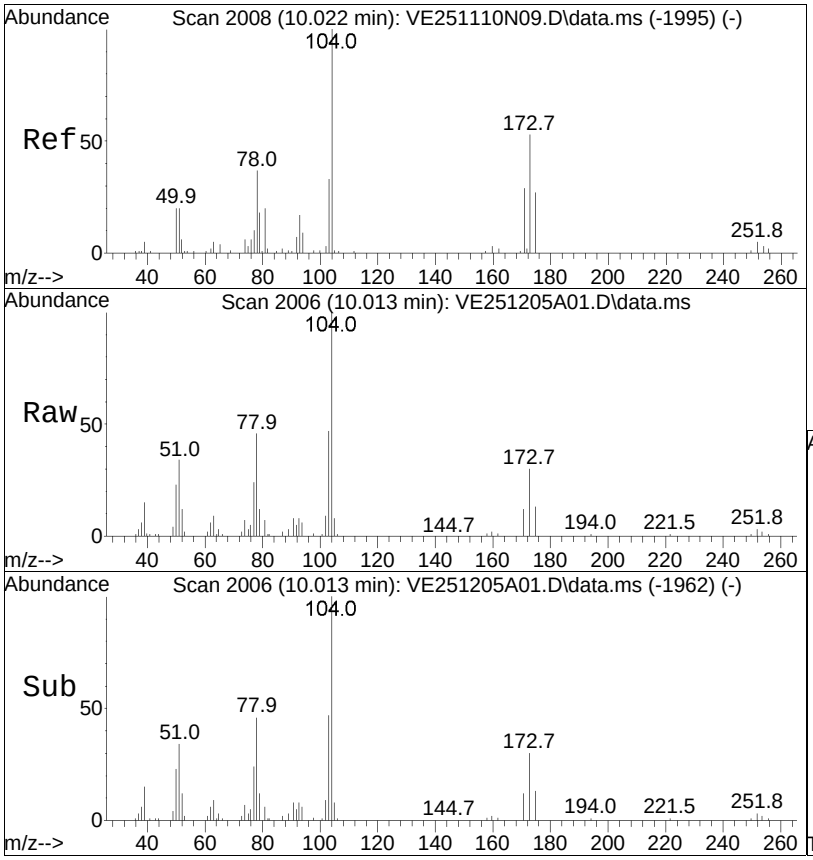


#83
Styrene
Concen: 18.98 ug/L
RT: 9.991 min Scan# 2001
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:104 Resp: 340396

Ion	Ratio	Lower	Upper
104	100		
78	47.4	37.1	55.7

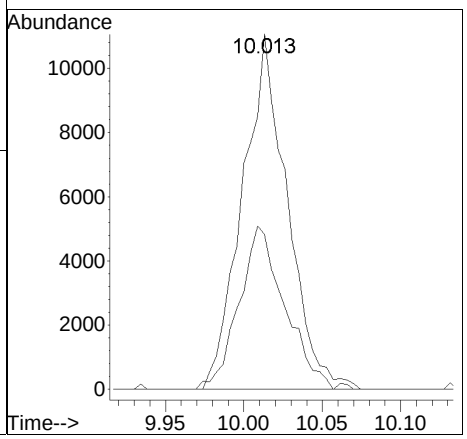


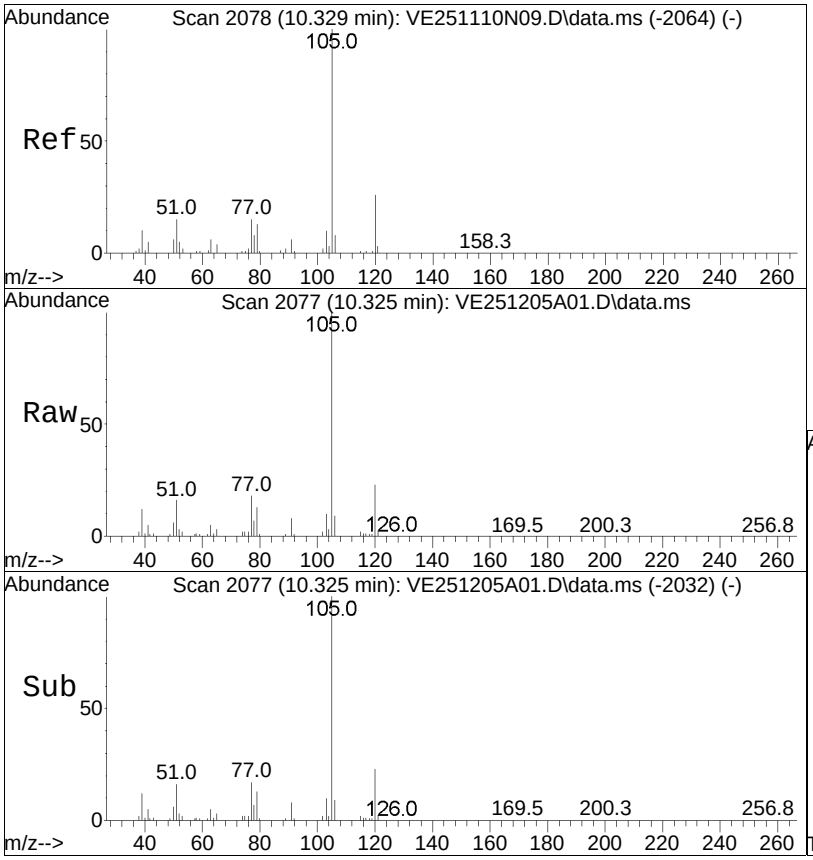


#85
Bromoform
Concen: 7.82 ug/L
RT: 10.013 min Scan# 2006
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:173 Resp: 21997

Ion	Ratio	Lower	Upper
173	100		
175	47.4	29.9	69.9

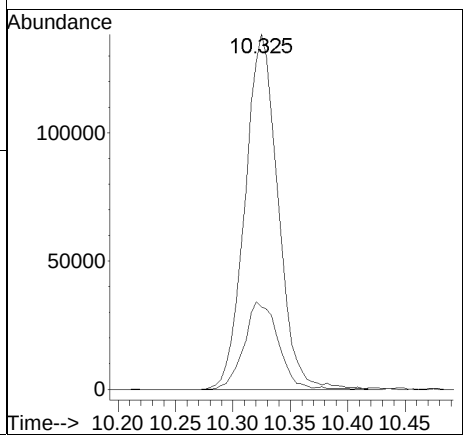


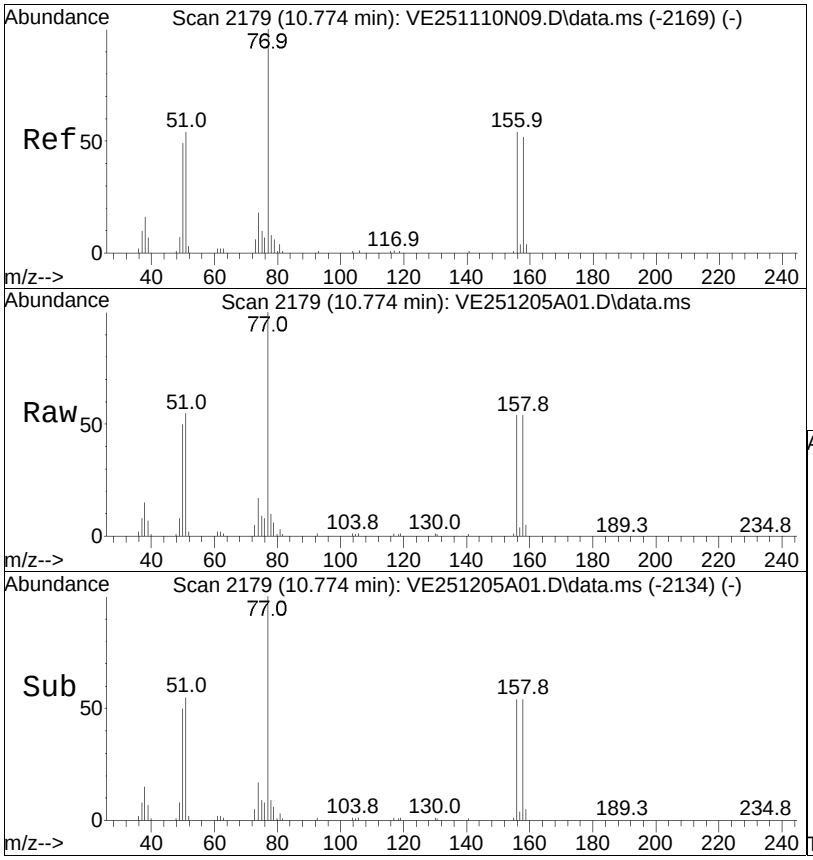


#87
Isopropylbenzene
Concen: 9.66 ug/L
RT: 10.325 min Scan# 2077
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:105 Resp: 276476

Ion	Ratio	Lower	Upper
105	100		
120	25.6	5.0	45.0

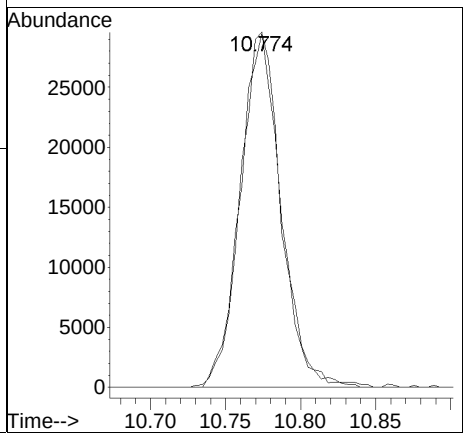


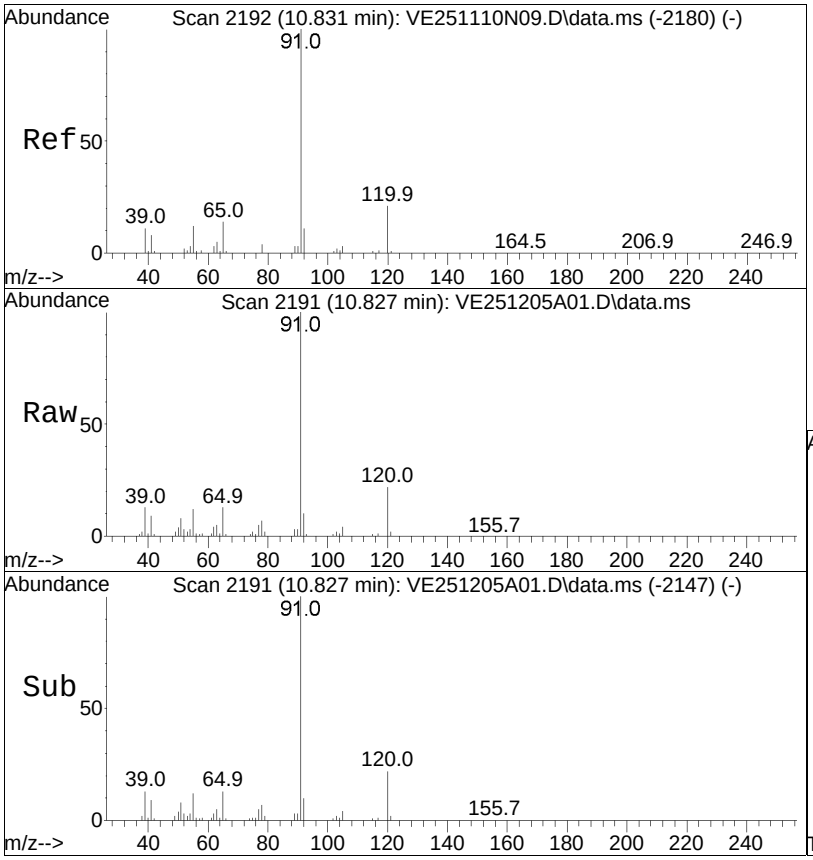


#89
Bromobenzene
Concen: 9.48 ug/L
RT: 10.774 min Scan# 2179
Delta R.T. 0.000 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:156 Resp: 56332

Ion	Ratio	Lower	Upper
156	100		
158	98.6	79.0	118.4

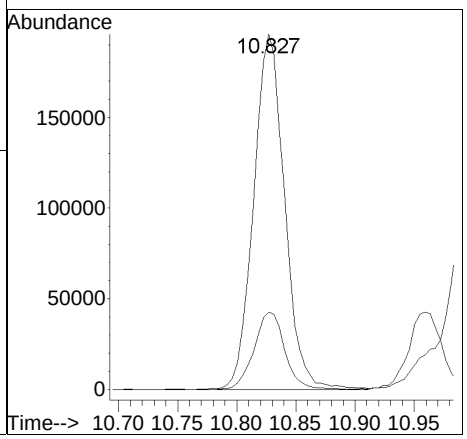


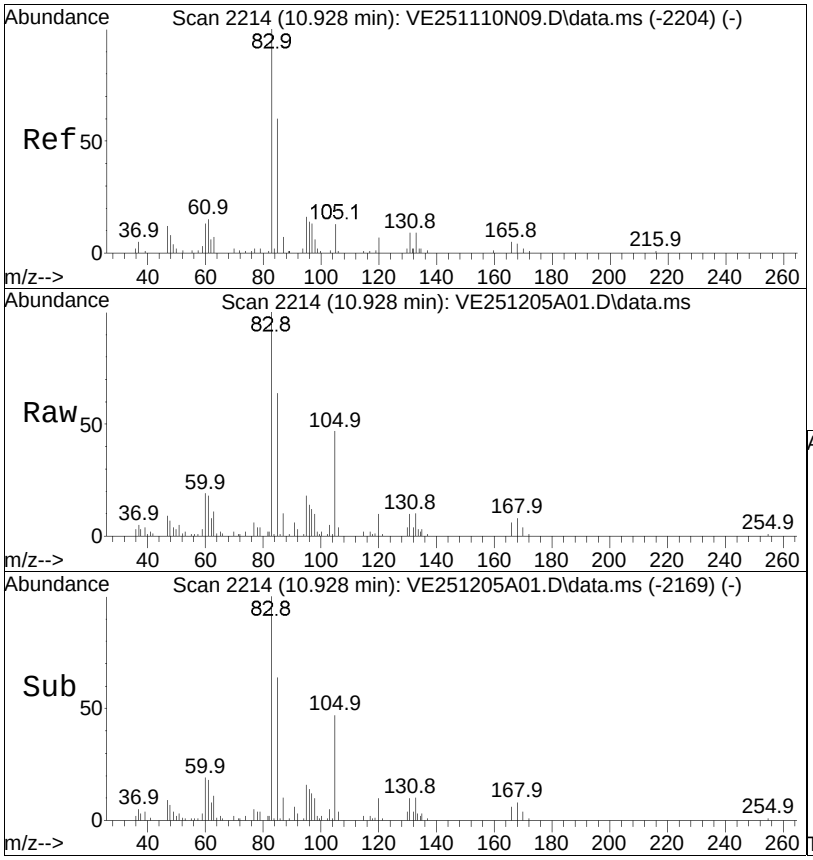


#90
n-Propylbenzene
Concen: 9.91 ug/L
RT: 10.827 min Scan# 2191
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 91 Resp: 357113

Ion	Ratio	Lower	Upper
91	100		
120	21.5	16.7	25.1

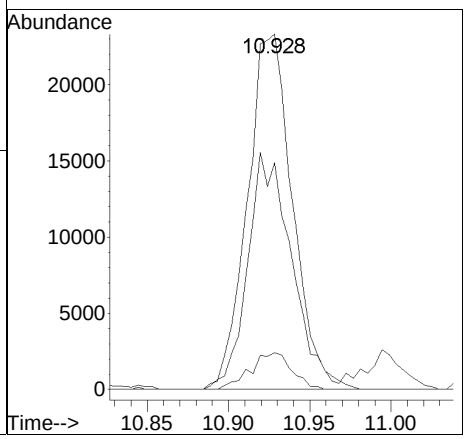


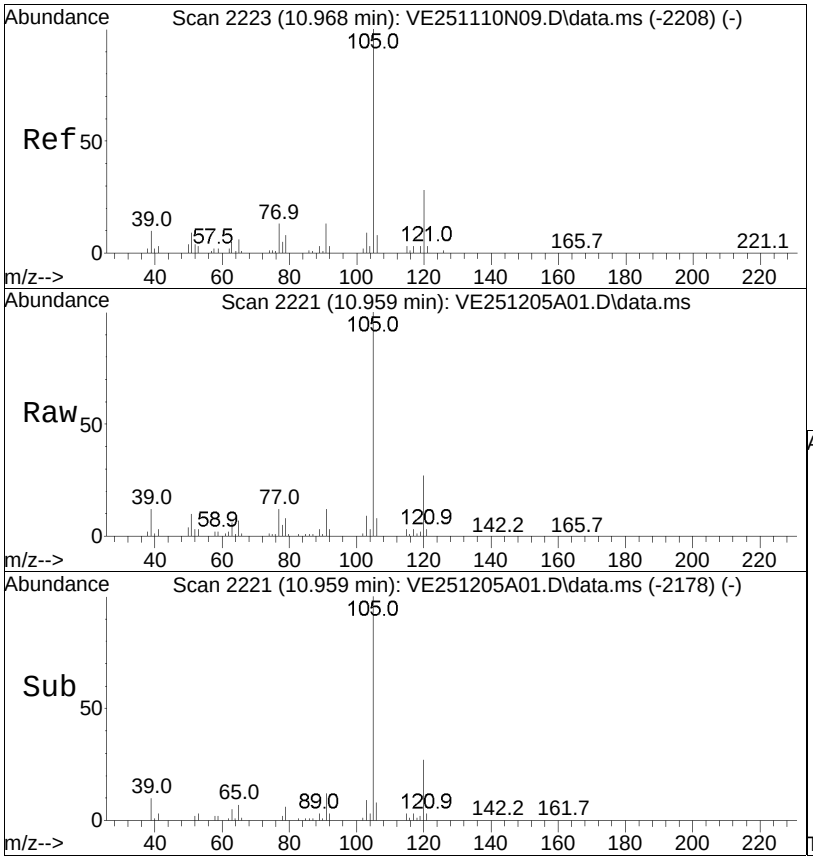


#92
1,1,2,2-Tetrachloroethane
Concen: 8.36 ug/L
RT: 10.928 min Scan# 2214
Delta R.T. 0.000 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 83 Resp: 45112

Ion	Ratio	Lower	Upper
83	100		
131	9.5	0.0	28.3
85	64.4	43.6	83.6

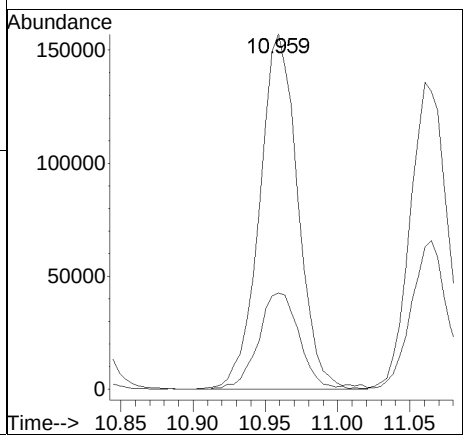


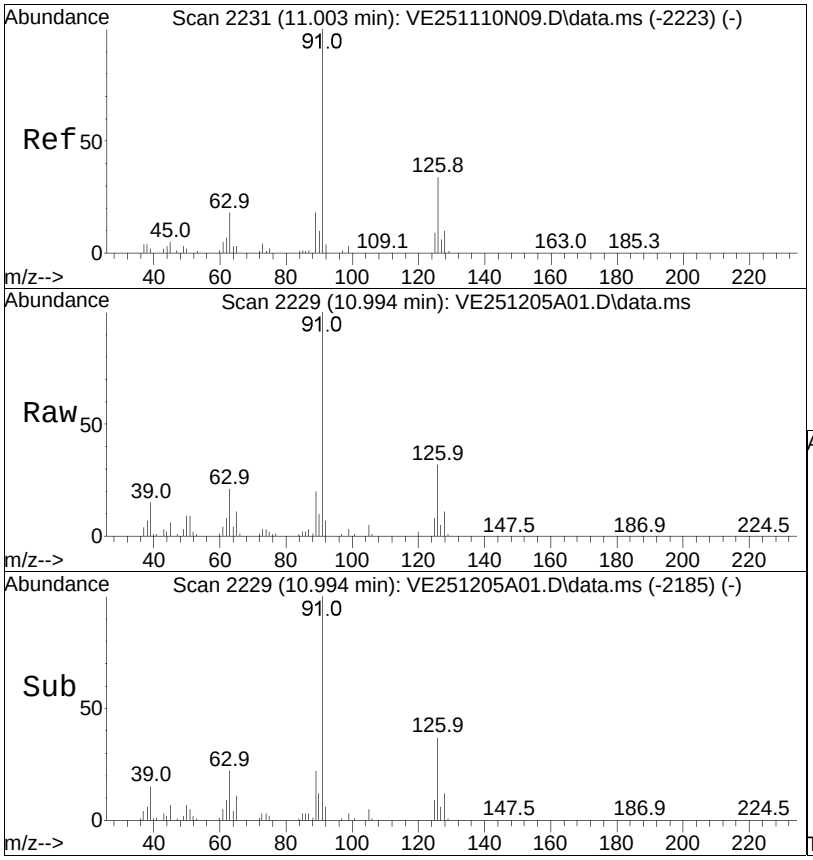


#93
4-Ethyltoluene
Concen: 10.37 ug/L
RT: 10.959 min Scan# 2221
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:105 Resp: 291539

Ion	Ratio	Lower	Upper
105	100		
120	29.1	18.7	38.7

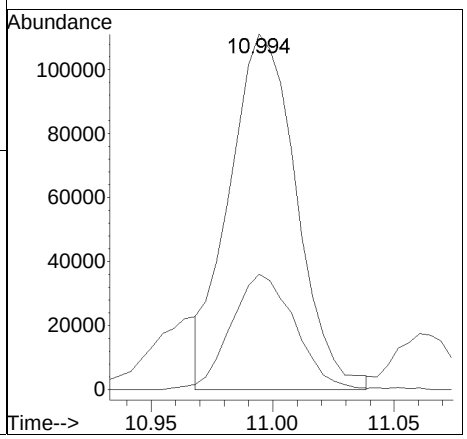


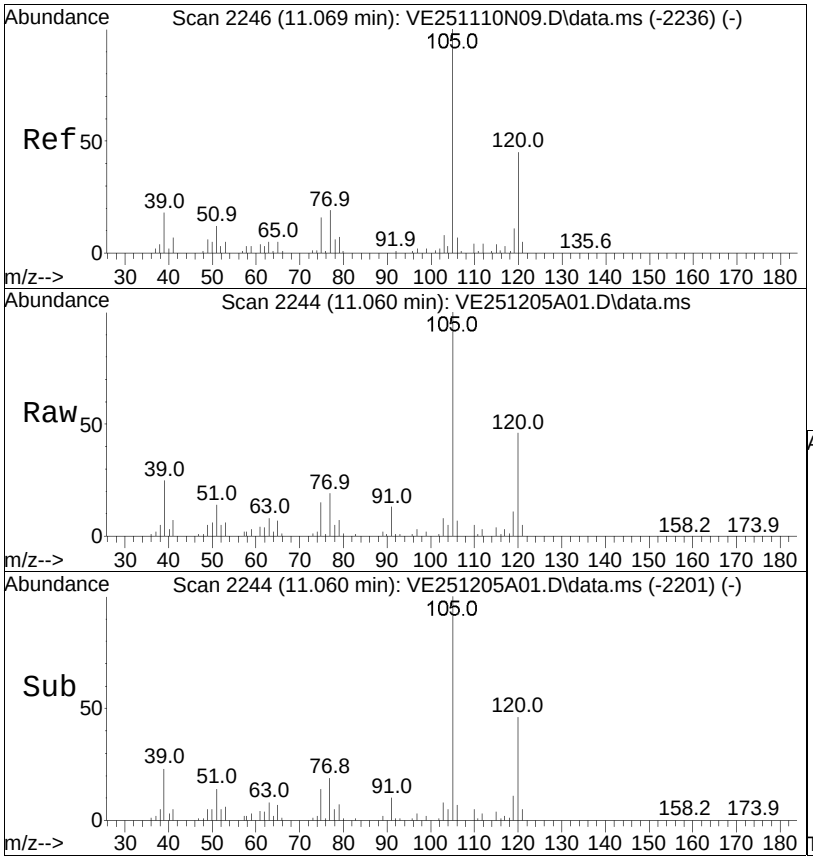


#94
2-Chlorotoluene
Concen: 9.86 ug/L M6
RT: 10.994 min Scan# 2229
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 91 Resp: 214190

Ion	Ratio	Lower	Upper
91	100		
126	30.8	23.2	34.8

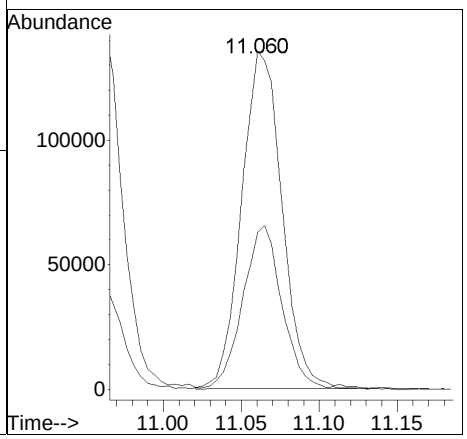


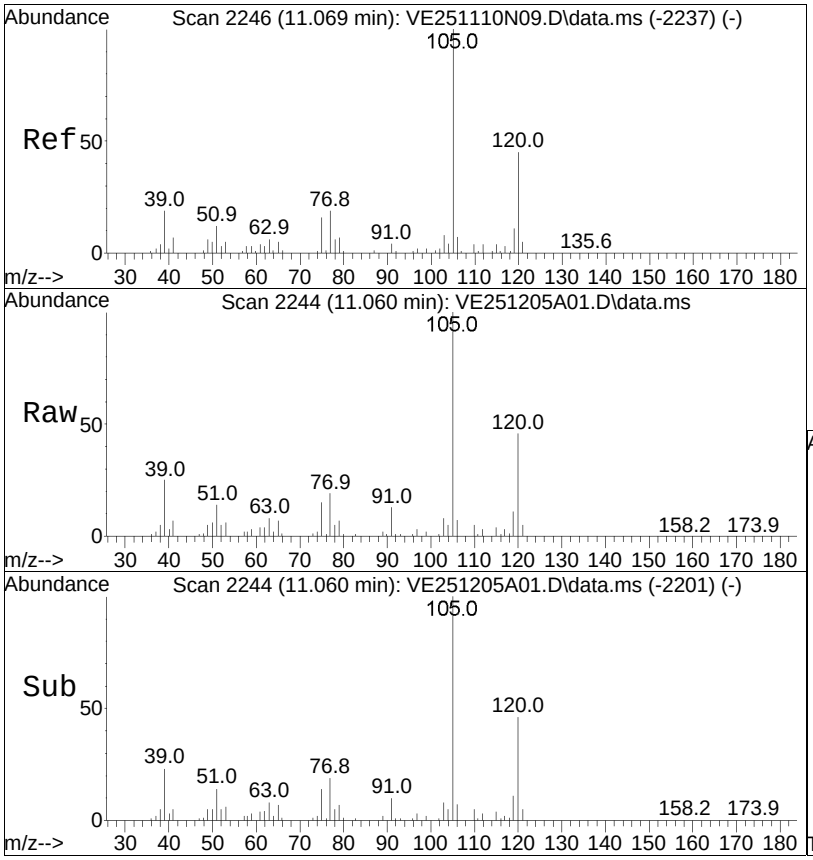


#95
1,3,5-Trimethylbenzene
Concen: 9.67 ug/L
RT: 11.060 min Scan# 2244
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:105 Resp: 243605

Ion	Ratio	Lower	Upper
105	100		
120	47.3	37.2	55.8

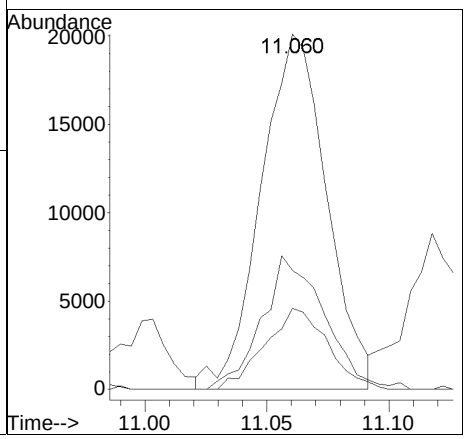


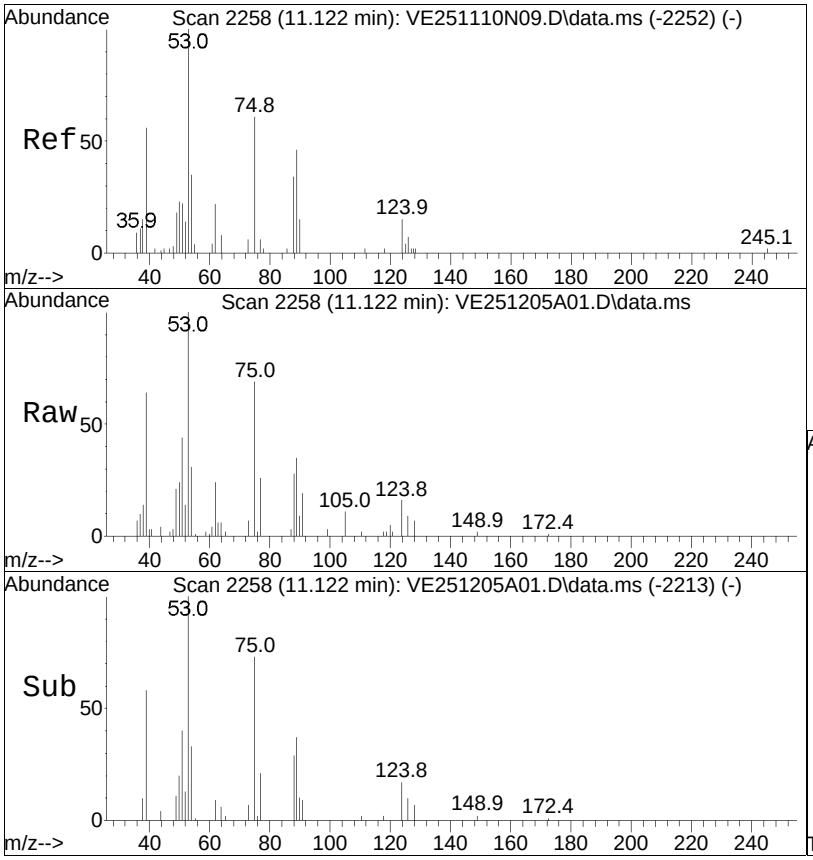


#96
1,2,3-Trichloropropane
Concen: 7.85 ug/L
RT: 11.060 min Scan# 2244
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 75 Resp: 37687

Ion	Ratio	Lower	Upper
75	100		
110	35.8	21.1	43.9
112	21.8	13.7	28.5

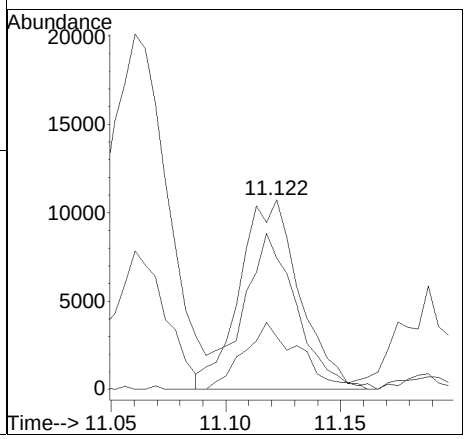


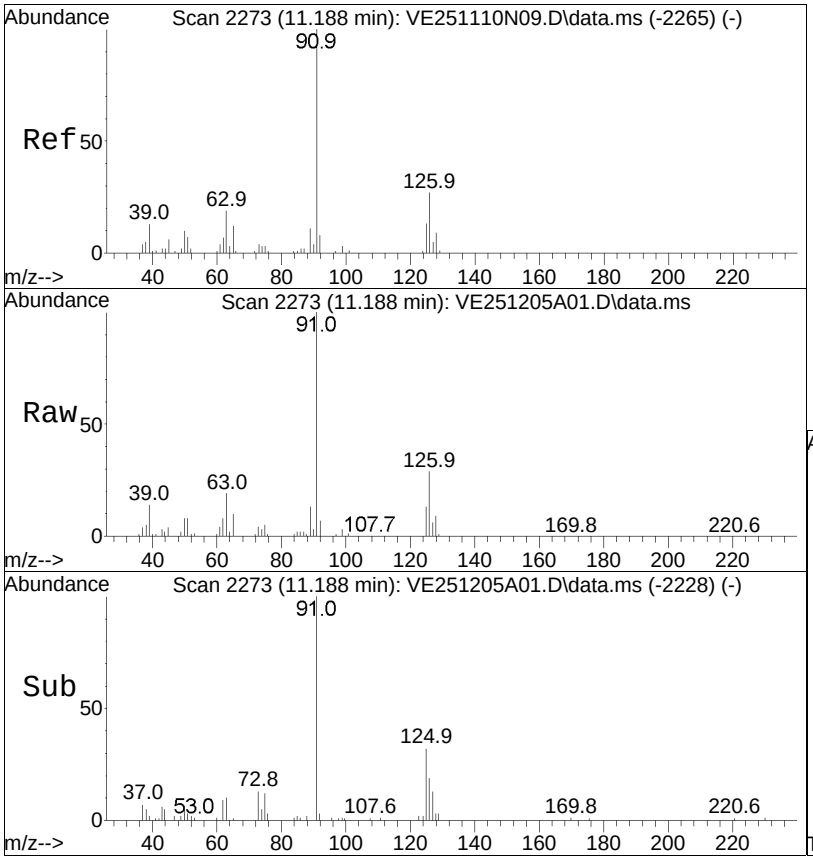


#97
trans-1,4-Dichloro-2-butene
Concen: 8.04 ug/L
RT: 11.122 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 53 Resp: 19541

Ion	Ratio	Lower	Upper
53	100		
88	33.1	27.4	41.0
75	70.1	57.7	86.5

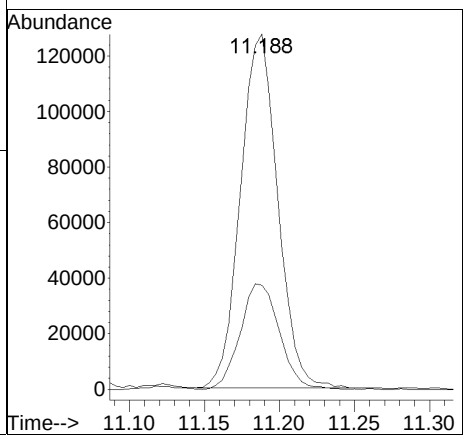


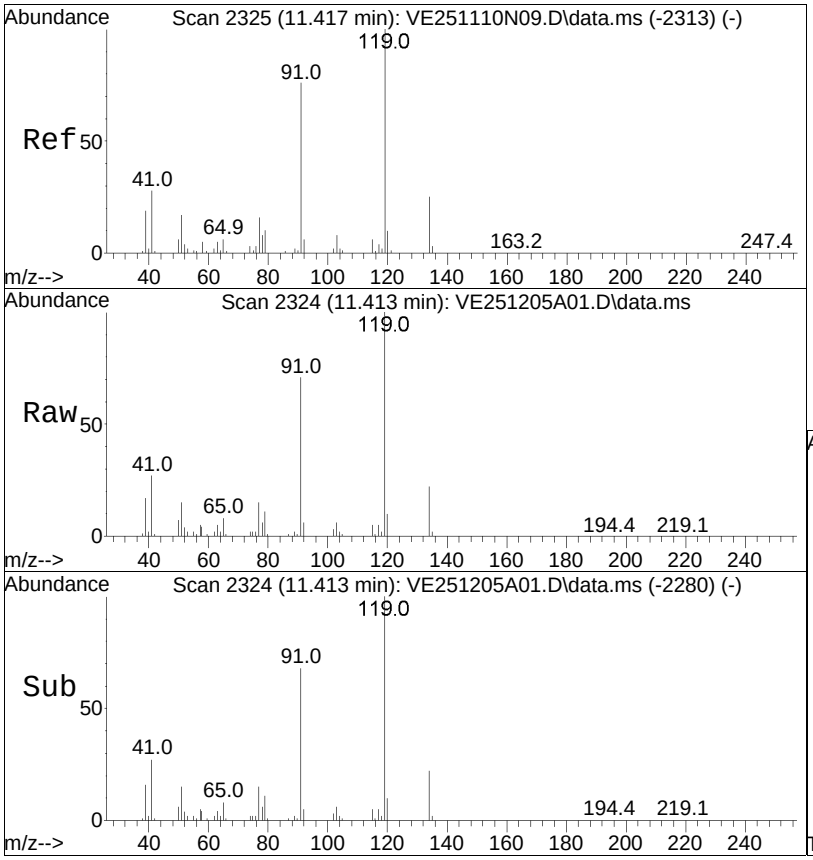


#98
4-Chlorotoluene
Concen: 10.02 ug/L
RT: 11.188 min Scan# 2273
Delta R.T. 0.000 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 91 Resp: 219966

Ion	Ratio	Lower	Upper
91	100		
126	31.5	24.7	37.1

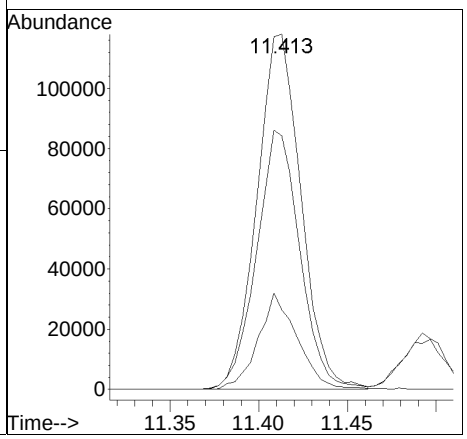


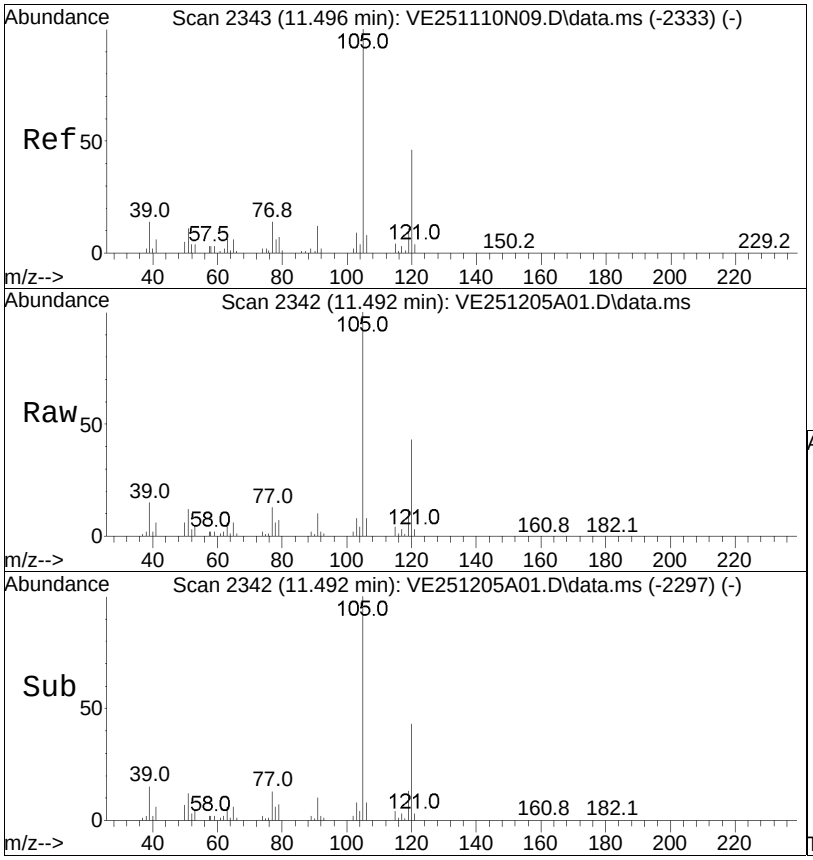


#99
tert-Butylbenzene
Concen: 10.02 ug/L
RT: 11.413 min Scan# 2324
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:119 Resp: 204560

Ion	Ratio	Lower	Upper
119	100		
91	71.6	59.3	88.9
134	24.1	19.4	29.2

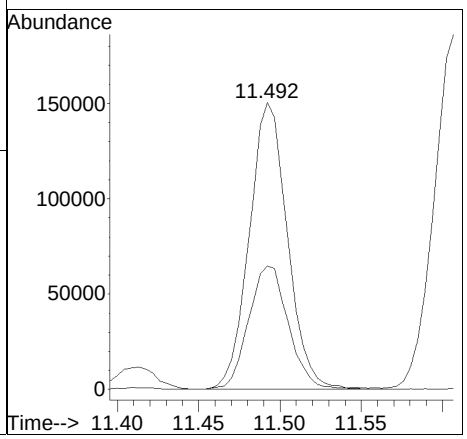


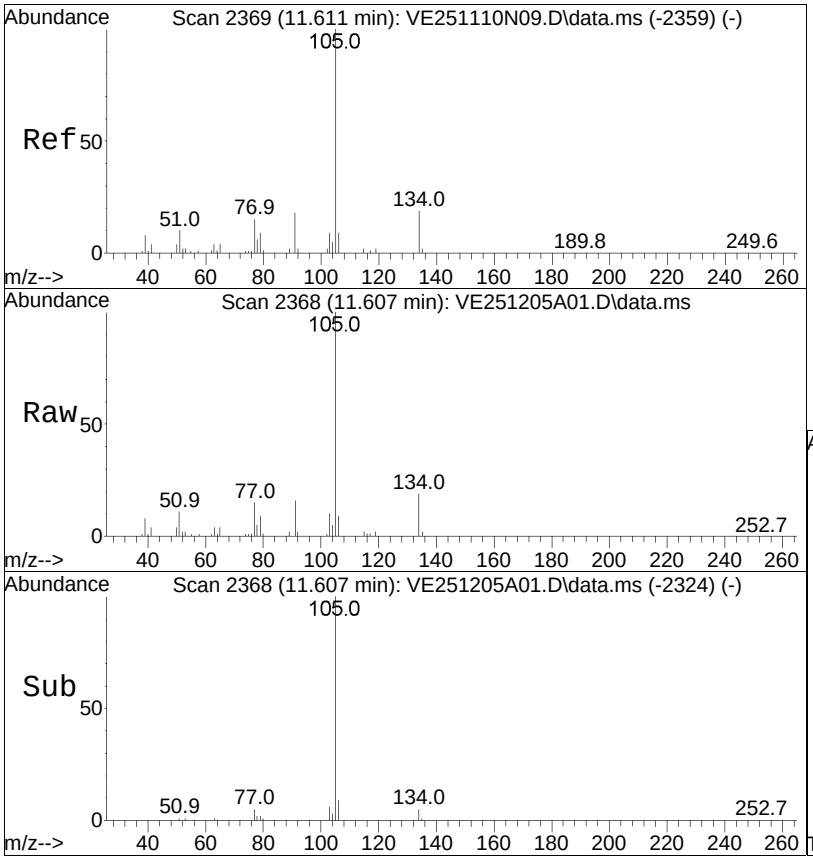


#102
1,2,4-Trimethylbenzene
Concen: 9.81 ug/L
RT: 11.492 min Scan# 2342
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:105 Resp: 246372

Ion	Ratio	Lower	Upper
105	100		
120	44.8	35.9	53.9

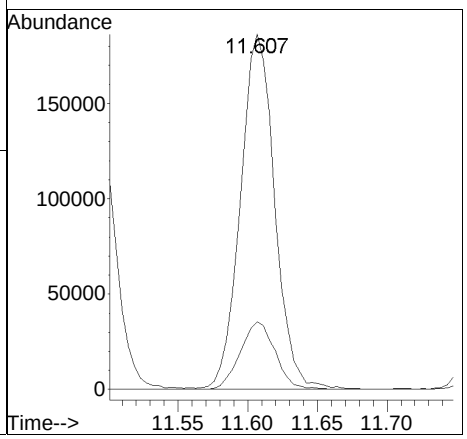


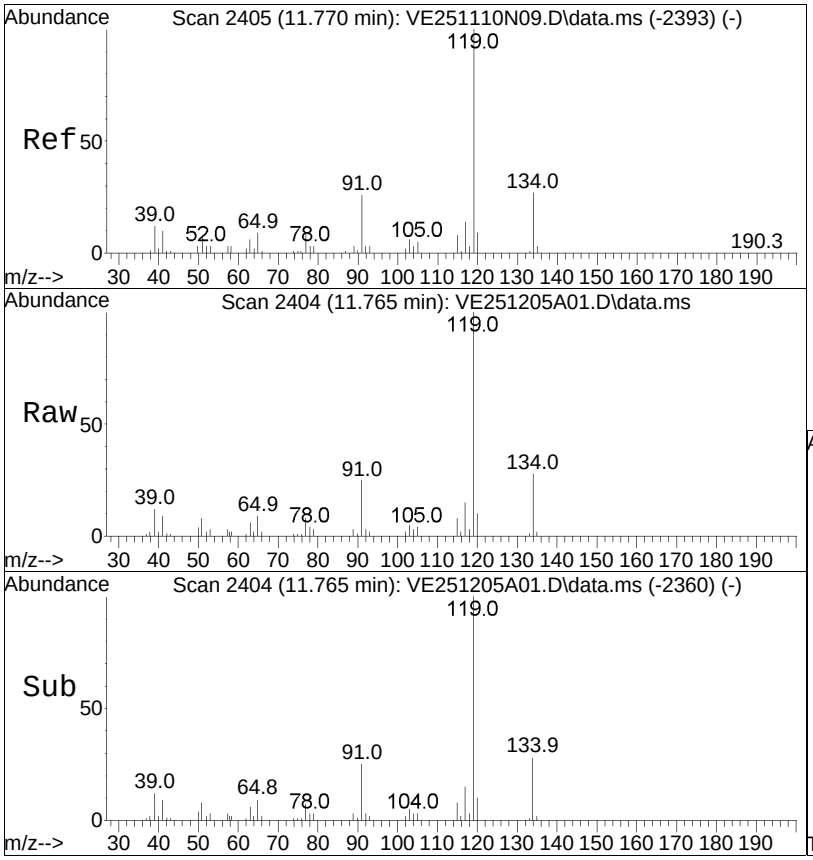


#103
sec-Butylbenzene
Concen: 10.19 ug/L
RT: 11.607 min Scan# 2368
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:105 Resp: 318625

Ion	Ratio	Lower	Upper
105	100		
134	19.4	12.2	25.2

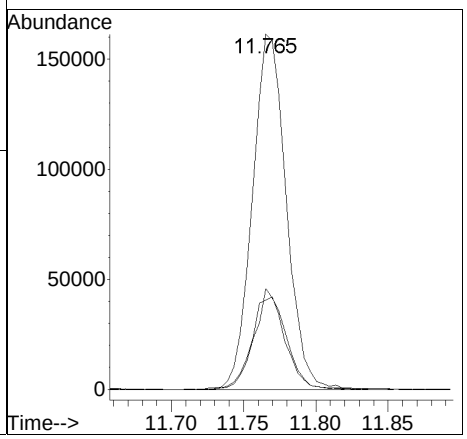


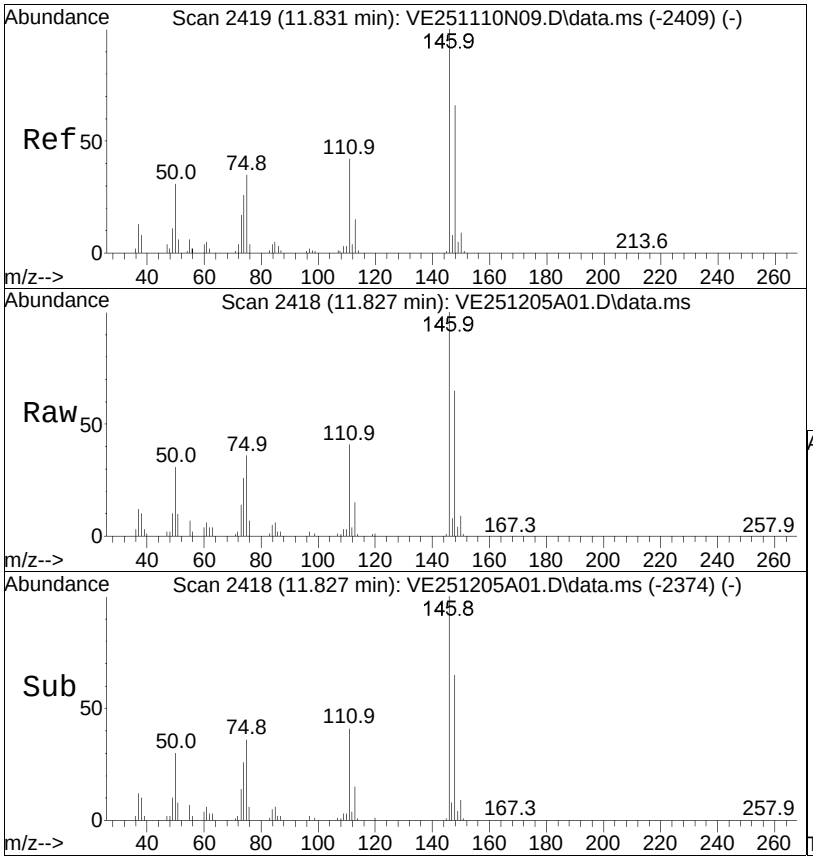


#104
p-Isopropyltoluene
Concen: 10.03 ug/L
RT: 11.765 min Scan# 2404
Delta R.T. -0.005 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:119 Resp: 262915

Ion	Ratio	Lower	Upper
119	100		
134	26.5	16.8	34.8
91	26.4	18.0	37.4

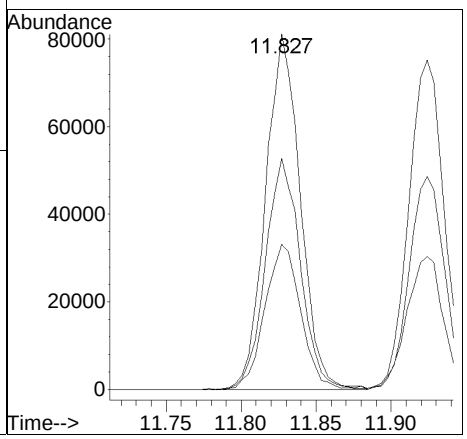


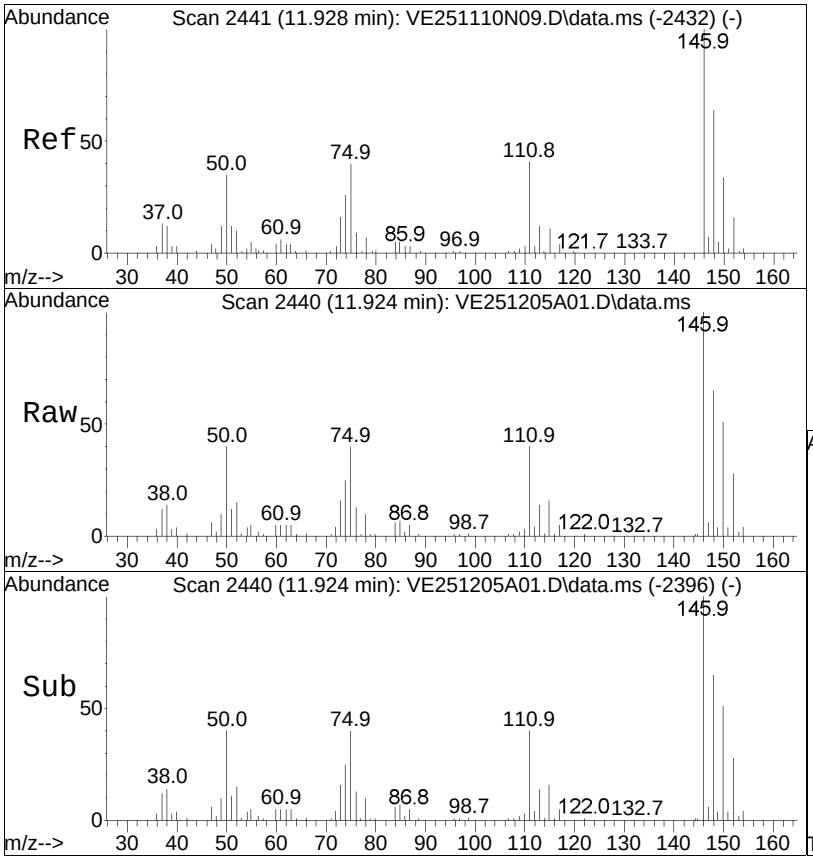


#105
1,3-Dichlorobenzene
Concen: 10.03 ug/L
RT: 11.827 min Scan# 2418
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:146 Resp: 130574

Ion	Ratio	Lower	Upper
146	100		
111	42.1	28.9	60.1
148	65.7	40.8	84.6

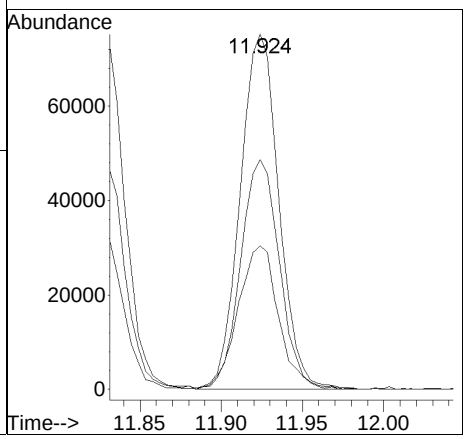


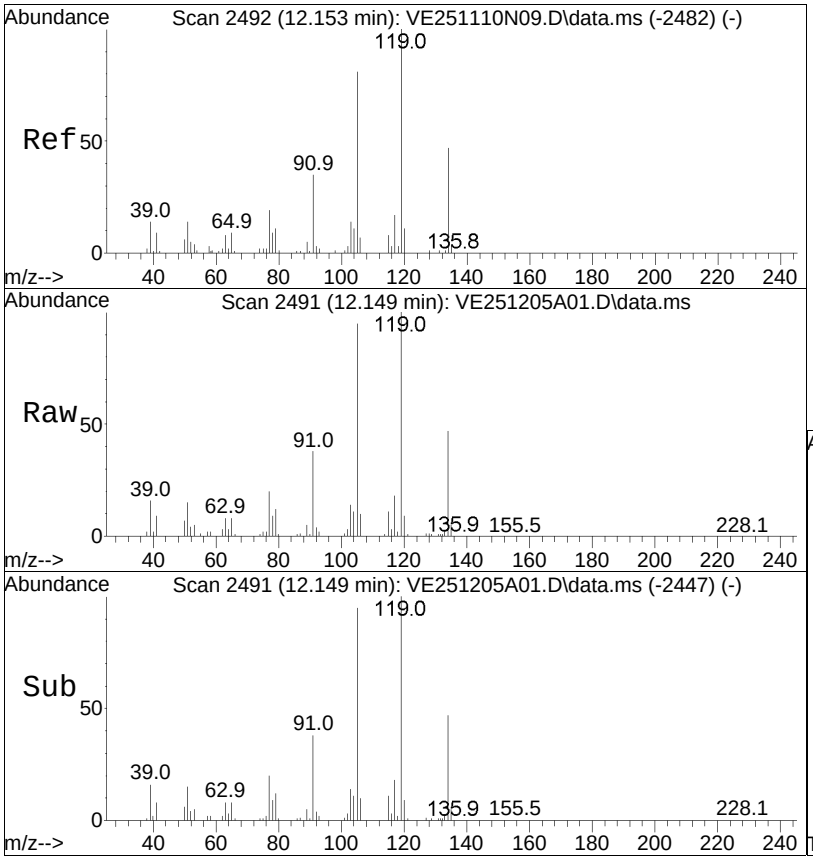


#106
1,4-Dichlorobenzene
Concen: 9.66 ug/L
RT: 11.924 min Scan# 2440
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:146 Resp: 124694

Ion	Ratio	Lower	Upper
146	100		
111	42.1	34.1	51.1
148	65.1	51.3	76.9

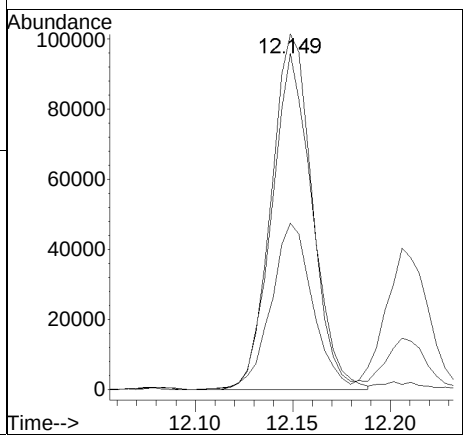


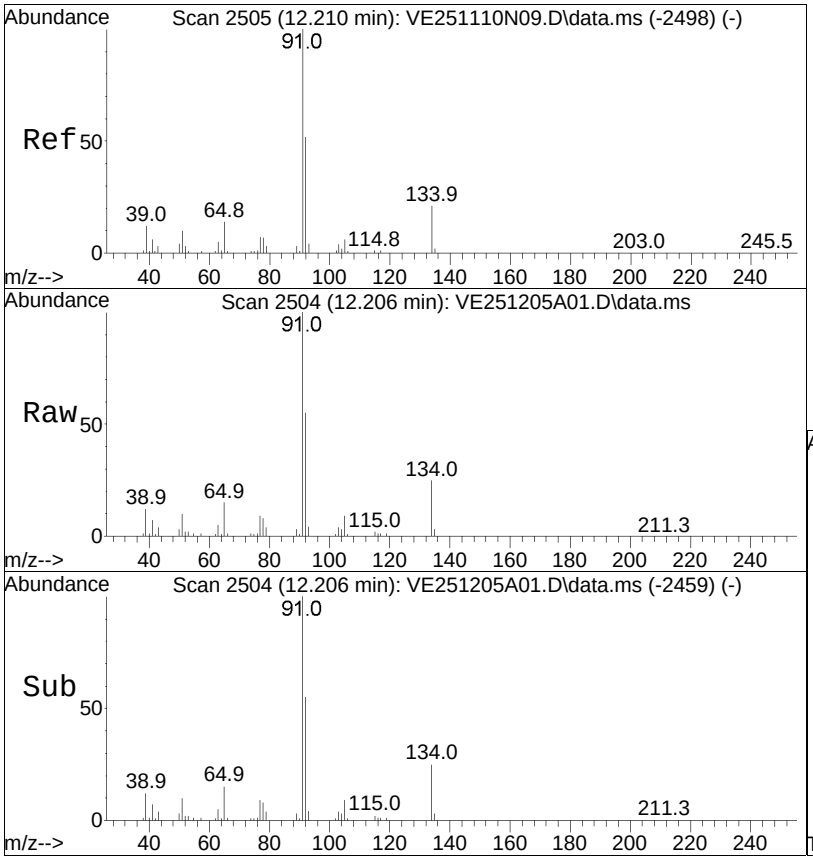


#107
p-Diethylbenzene
Concen: 9.67 ug/L
RT: 12.149 min Scan# 2491
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:119 Resp: 149847

Ion	Ratio	Lower	Upper
119	100		
105	91.4	55.8	115.8
134	46.6	29.2	60.6

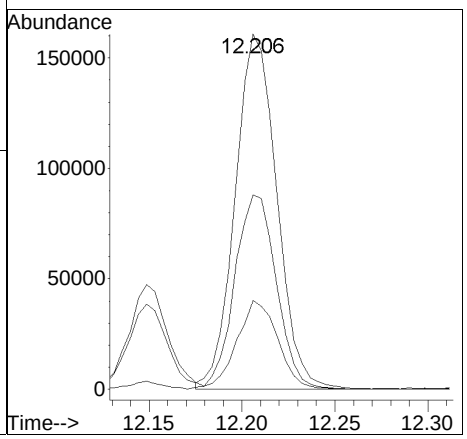


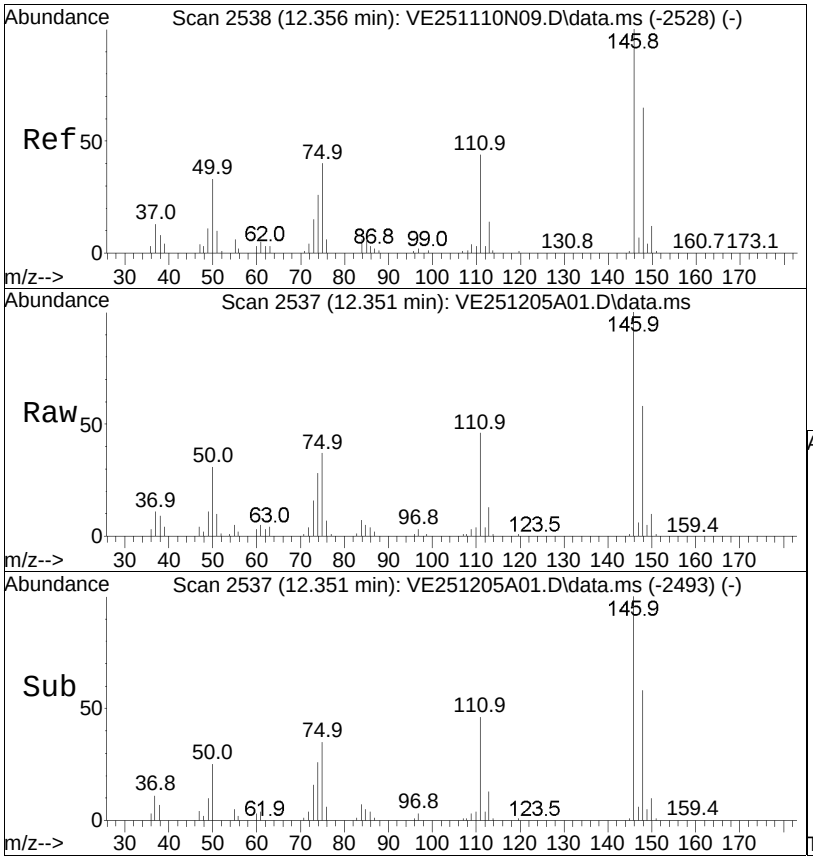


#108
n-Butylbenzene
Concen: 9.83 ug/L
RT: 12.206 min Scan# 2504
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion: 91 Resp: 250758

Ion	Ratio	Lower	Upper
91	100		
92	55.0	41.4	62.0
134	24.6	18.8	28.2

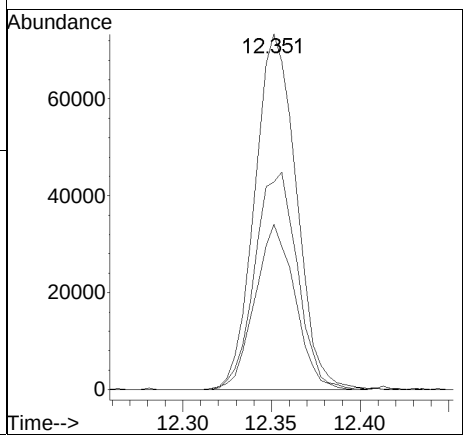


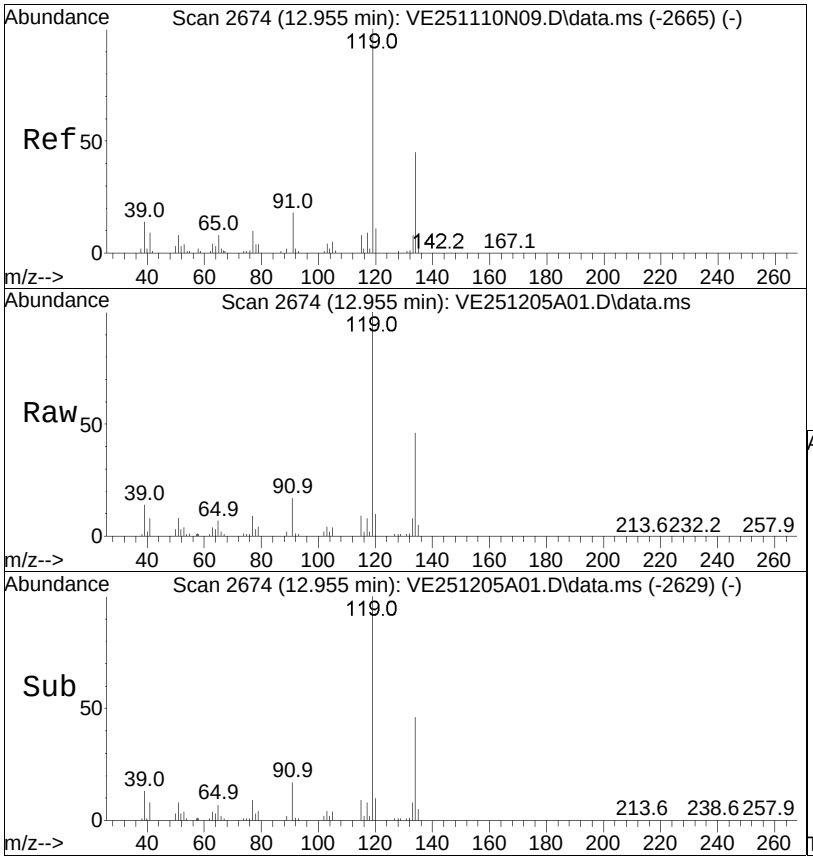


#109
1,2-Dichlorobenzene
Concen: 9.91 ug/L
RT: 12.351 min Scan# 2537
Delta R.T. -0.005 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:146 Resp: 119741

Ion	Ratio	Lower	Upper
146	100		
111	44.7	29.4	61.0
148	62.6	40.4	83.8

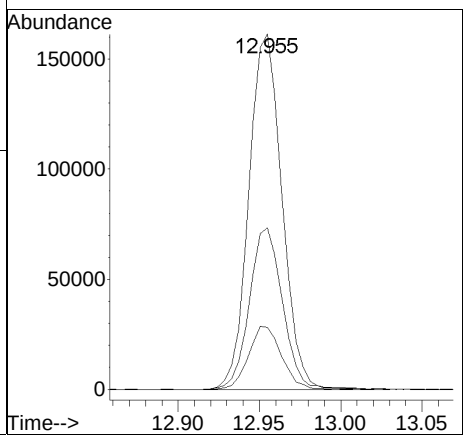


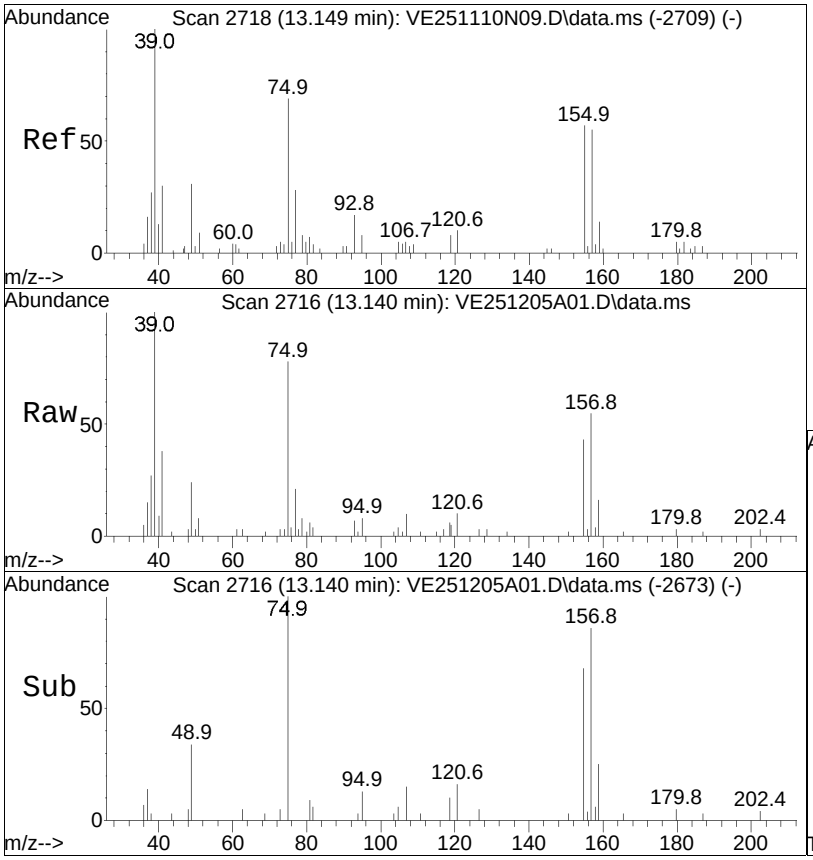


#110
1,2,4,5-Tetramethylbenzene
Concen: 8.73 ug/L
RT: 12.955 min Scan# 2674
Delta R.T. -0.000 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:119 Resp: 228678

Ion	Ratio	Lower	Upper
119	100		
134	45.5	29.6	61.6
91	17.6	12.4	25.8

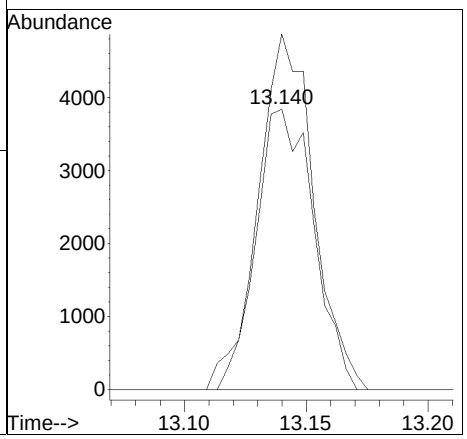


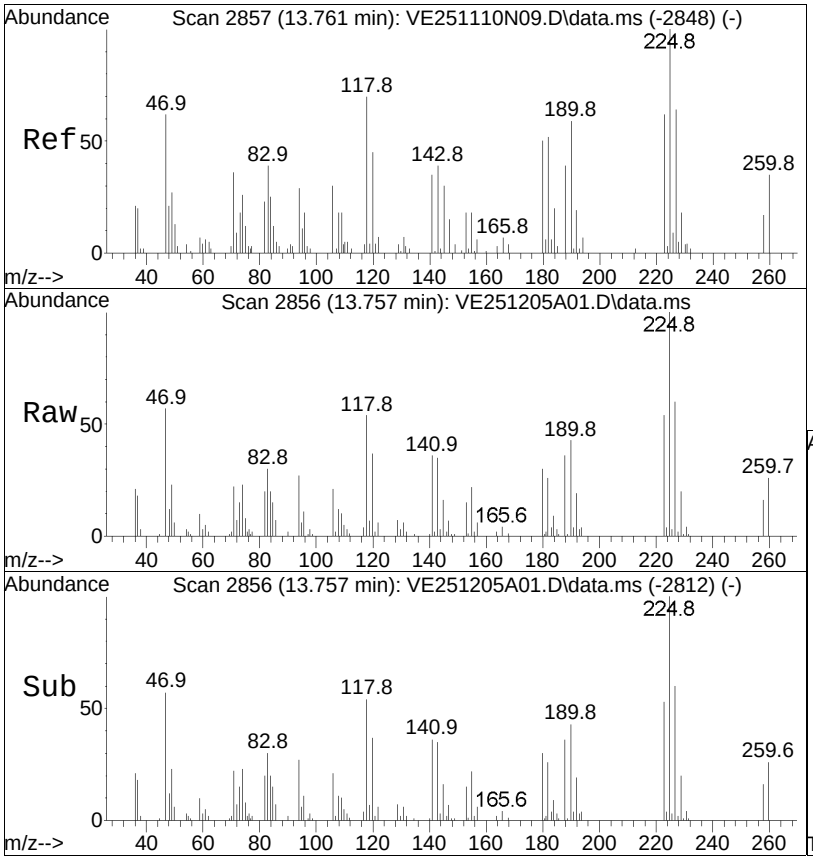


#111
1,2-Dibromo-3-chloropropane
Concen: 8.32 ug/L
RT: 13.140 min Scan# 2716
Delta R.T. -0.009 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:155 Resp: 6455

Ion	Ratio	Lower	Upper
155	100		
157	116.9	101.0	151.4

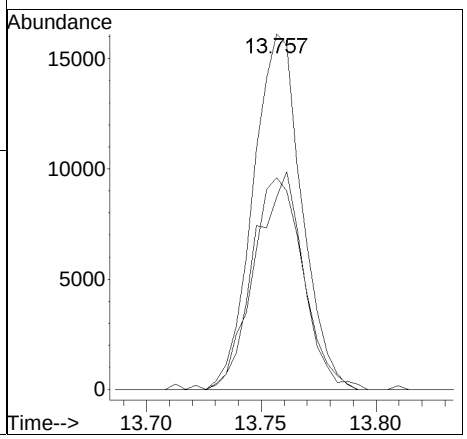


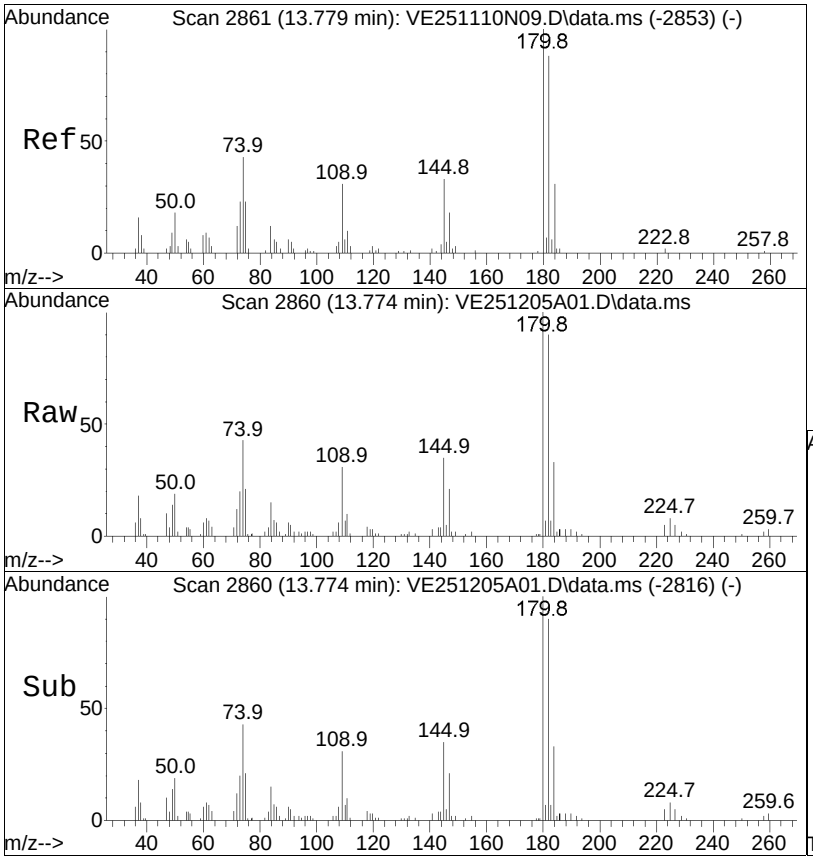


#113
Hexachlorobutadiene
Concen: 11.65 ug/L
RT: 13.757 min Scan# 2856
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:225 Resp: 23785

Ion	Ratio	Lower	Upper
225	100		
223	61.6	53.8	80.8
227	63.0	52.1	78.1

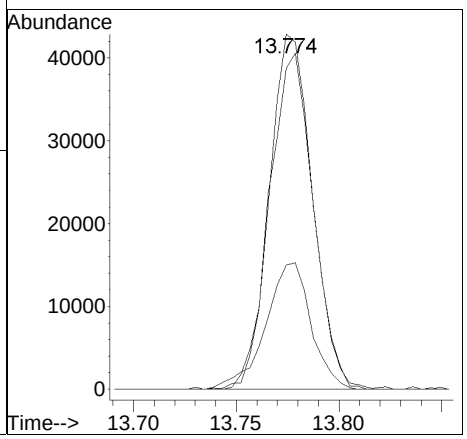


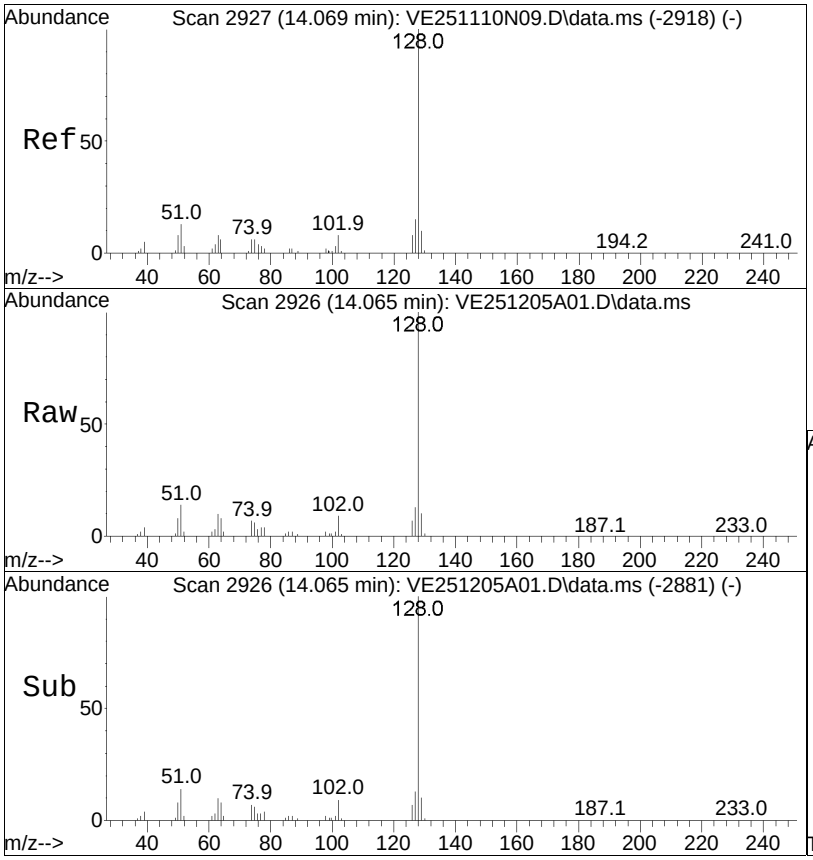


#114
1,2,4-Trichlorobenzene
Concen: 9.60 ug/L
RT: 13.774 min Scan# 2860
Delta R.T. -0.005 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:180 Resp: 62853

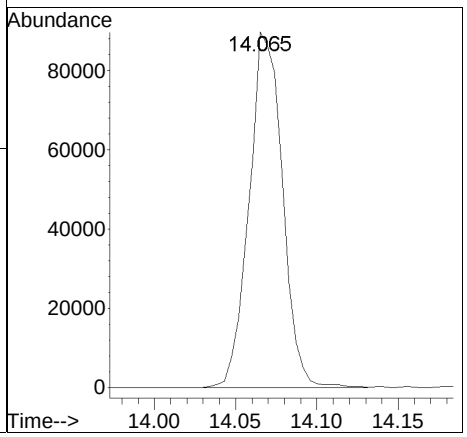
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.1	112.7
145	37.5	29.6	44.4

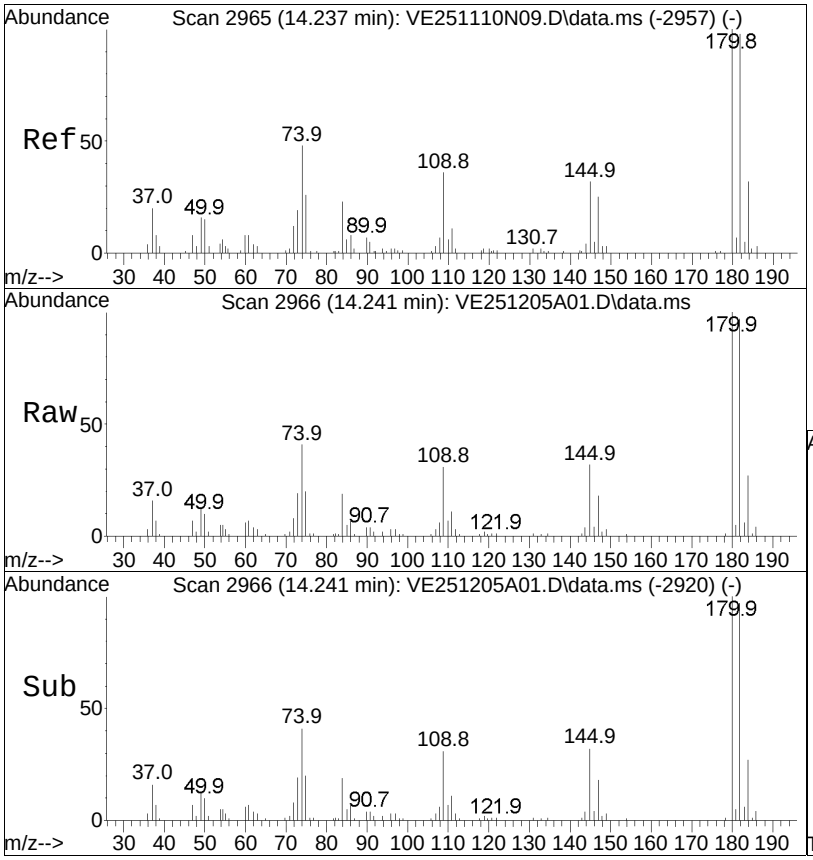




#115
Naphthalene
Concen: 7.84 ug/L
RT: 14.065 min Scan# 2926
Delta R.T. -0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:128 Resp: 127884

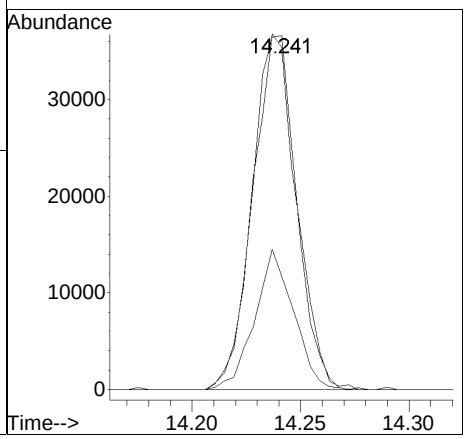




#116
1,2,3-Trichlorobenzene
Concen: 9.13 ug/L
RT: 14.241 min Scan# 2966
Delta R.T. 0.004 min
Lab File: VE251205A01.D
Acq: 5 Dec 2025 7:32 am

Tgt Ion:180 Resp: 52145

Ion	Ratio	Lower	Upper
180	100		
182	98.4	78.9	118.3
145	34.5	27.7	41.5

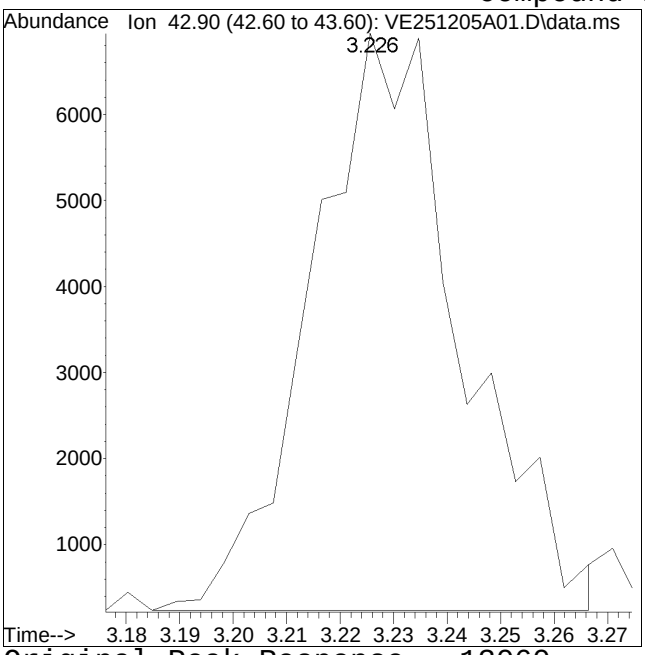


Manual Integration Report

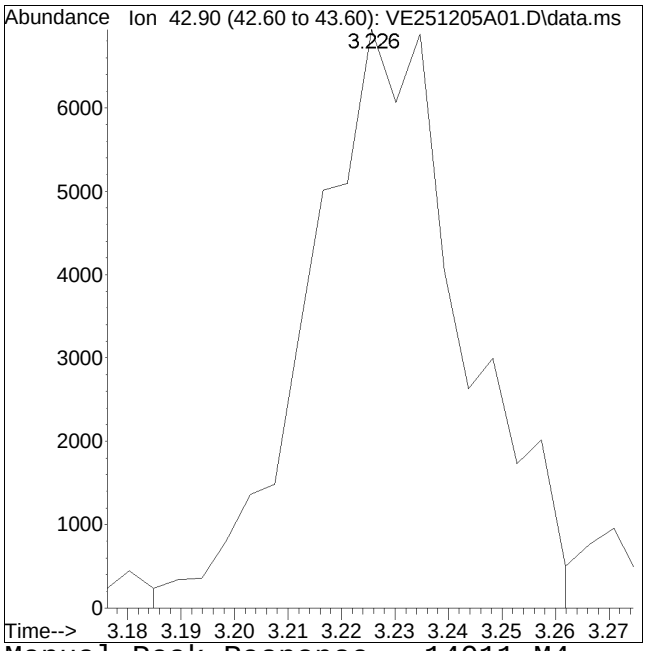
Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Date Inj'd : 12/5/2025 7:32 am
Sample : WG2150931-3,31,10,10

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 12/5/2025 7:58 am

Compound #17: Acetone



Original Peak Response = 13060



Manual Peak Response = 14011 M4

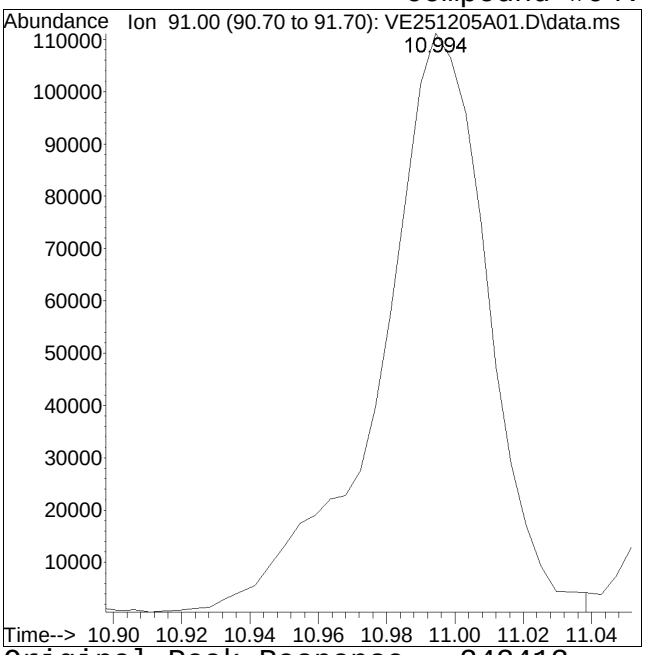
M4 = Poor automated baseline construction.

Manual Integration Report

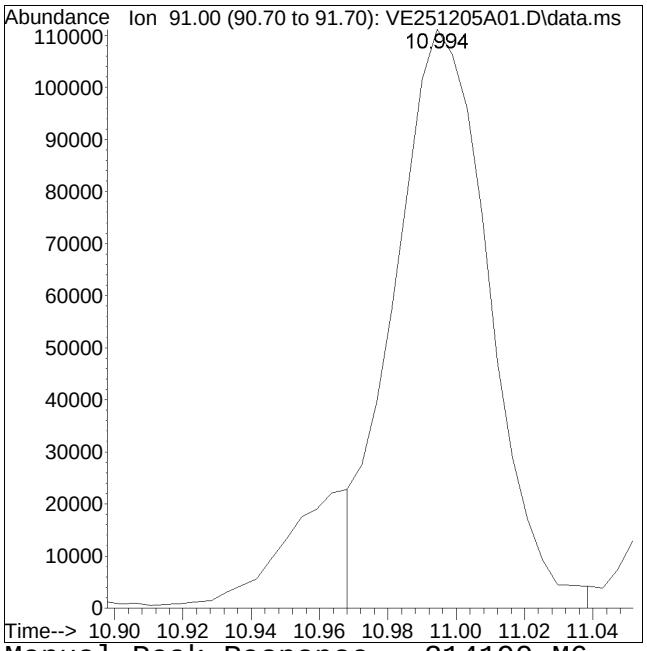
Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A01.D
Date Inj'd : 12/5/2025 7:32 am
Sample : WG2150931-3,31,10,10

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 12/5/2025 7:58 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 242413



Manual Peak Response = 214190 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A02.D
Acq On : 5 Dec 2025 7:56 am
Operator : ELAINE:PID
Sample : WG2150931-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 09:33:13 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.630	96	203626	10.000	ug/L	0.00
Standard Area 1 = 195864			Recovery = 103.96%			
63) Chlorobenzene-d5	9.122	117	172557	10.000	ug/L	0.00
Standard Area 1 = 171189			Recovery = 100.80%			
84) 1,4-Dichlorobenzene-d4	11.906	152	101049	10.000	ug/L	0.00
Standard Area 1 = 98243			Recovery = 102.86%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.843	113	58249	10.379	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.79%			
47) 1,2-Dichloroethane-d4	5.349	65	78765	10.301	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.01%			
64) Toluene-d8	7.301	98	226978	9.829	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.29%			
88) 4-Bromofluorobenzene	10.664	95	87526	9.086	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.464	85	74847	11.216	ug/L	98
3) Chloromethane	1.636	50	76818	8.608	ug/L	95
4) Vinyl chloride	1.704	62	74822	10.767	ug/L	98
5) Bromomethane	1.985	94	30244	9.512	ug/L	97
6) Chloroethane	2.089	64	47686	10.535	ug/L	97
7) Trichlorofluoromethane	2.216	101	77730	9.456	ug/L	97
8) Ethyl ether	2.487	74	21683	8.066	ug/L	97
10) 1,1-Dichloroethene	2.673	96	44039	9.698	ug/L	95
11) Carbon disulfide	2.700	76	149783	9.746	ug/L	99
15) Methylene chloride	3.199	84	56331	10.194	ug/L	95
17) Acetone	3.226	43	15009	8.401	ug/L #	87
18) trans-1,2-Dichloroethene	3.344	96	42562	9.818	ug/L	97
21) Methyl tert-butyl ether	3.434	73	83346	8.272	ug/L #	91
25) 1,1-Dichloroethane	3.901	63	125680	10.764	ug/L	98
27) Acrylonitrile	3.942	53	17314	8.948	ug/L	97
29) Vinyl acetate	4.127	43	116389	8.745	ug/L	100
30) cis-1,2-Dichloroethene	4.408	96	51174	9.836	ug/L	88
31) 2,2-Dichloropropane	4.503	77	80945	11.009	ug/L	98
33) Bromochloromethane	4.594	128	24260	10.621	ug/L	75
35) Chloroform	4.666	83	90026	9.635	ug/L	96

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A02.D
Acq On : 5 Dec 2025 7:56 am
Operator : ELAINE:PID
Sample : WG2150931-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 09:33:13 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	4.793	117	60060	10.794	ug/L		83
40) 1,1,1-Trichloroethane	4.857	97	74216	10.556	ug/L		96
42) 2-Butanone	4.943	43	16375	7.308	ug/L	#	79
43) 1,1-Dichloropropene	4.974	75	56756	9.540	ug/L		98
45) Benzene	5.217	78	183231	9.706	ug/L		99
48) 1,2-Dichloroethane	5.414	62	74871	9.592	ug/L		97
52) Trichloroethene	5.805	95	41445	9.103	ug/L		98
54) Dibromomethane	6.239	93	25368	9.042	ug/L		92
55) 1,2-Dichloropropane	6.340	63	52408	8.761	ug/L		97
58) Bromodichloromethane	6.419	83	59917	9.247	ug/L		98
61) 1,4-Dioxane	6.621	88	18193	502.602	ug/L		93
62) cis-1,3-Dichloropropene	7.099	75	64939	9.119	ug/L		98
65) Toluene	7.354	92	123646	9.658	ug/L		99
66) 4-Methyl-2-pentanone	7.788	58	13542	8.181	ug/L	#	89
67) Tetrachloroethene	7.802	166	44778	9.820	ug/L		99
69) trans-1,3-Dichloropropene	7.845	75	54857	7.193	ug/L		93
72) 1,1,2-Trichloroethane	8.025	83	26781	8.048	ug/L		97
73) Chlorodibromomethane	8.236	129	37135	8.294	ug/L		99
74) 1,3-Dichloropropane	8.341	76	59546	8.059	ug/L		99
75) 1,2-Dibromoethane	8.499	107	31707	8.035	ug/L		99
77) 2-Hexanone	8.798	43	28365	7.154	ug/L		97
78) Chlorobenzene	9.149	112	142972	9.983	ug/L		97
79) Ethylbenzene	9.188	91	261677	9.785	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.236	131	37388	8.613	ug/L		93
81) p/m Xylene	9.377	106	204834	19.612	ug/L		98
82) o Xylene	9.917	106	199205	19.246	ug/L		99
83) Styrene	9.991	104	332761	18.410	ug/L		100
85) Bromoform	10.013	173	21328	7.395	ug/L		100
87) Isopropylbenzene	10.325	105	262994	8.938	ug/L		98
89) Bromobenzene	10.774	156	58586	9.586	ug/L		96
90) n-Propylbenzene	10.827	91	343436	9.266	ug/L		99
92) 1,1,2,2-Tetrachloroethane	10.928	83	45302	8.160	ug/L		98
93) 4-Ethyltoluene	10.959	105	276223	9.554	ug/L		100
94) 2-Chlorotoluene	10.999	91	206694M6	9.254	ug/L		
95) 1,3,5-Trimethylbenzene	11.065	105	234991	9.070	ug/L		100
96) 1,2,3-Trichloropropane	11.060	75	38713	7.840	ug/L		97
97) trans-1,4-Dichloro-2-b...	11.118	53	19130	7.654	ug/L		94
98) 4-Chlorotoluene	11.188	91	210963	9.339	ug/L		98
99) tert-Butylbenzene	11.413	119	189225	9.008	ug/L		99

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A02.D
Acq On : 5 Dec 2025 7:56 am
Operator : ELAINE:PID
Sample : WG2150931-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 09:33:13 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251205A\VE251205A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102)	1,2,4-Trimethylbenzene	11.492	105	239035	9.251	ug/L	98
103)	sec-Butylbenzene	11.607	105	298159	9.269	ug/L	99
104)	p-Isopropyltoluene	11.770	119	241959	8.976	ug/L	99
105)	1,3-Dichlorobenzene	11.827	146	128740	9.618	ug/L	98
106)	1,4-Dichlorobenzene	11.924	146	125537	9.457	ug/L	98
107)	p-Diethylbenzene	12.149	119	144513	9.066	ug/L	98
108)	n-Butylbenzene	12.206	91	234296	8.925	ug/L	96
109)	1,2-Dichlorobenzene	12.356	146	120354	9.681	ug/L	98
110)	1,2,4,5-Tetramethylben...	12.955	119	218279	8.099	ug/L	99
111)	1,2-Dibromo-3-chloropr...	13.140	155	6401	8.029	ug/L	99
113)	Hexachlorobutadiene	13.757	225	22250	10.619	ug/L	99
114)	1,2,4-Trichlorobenzene	13.779	180	62117	9.227	ug/L	98
115)	Naphthalene	14.070	128	131104	7.814	ug/L	100
116)	1,2,3-Trichlorobenzene	14.237	180	52566	8.952	ug/L	96

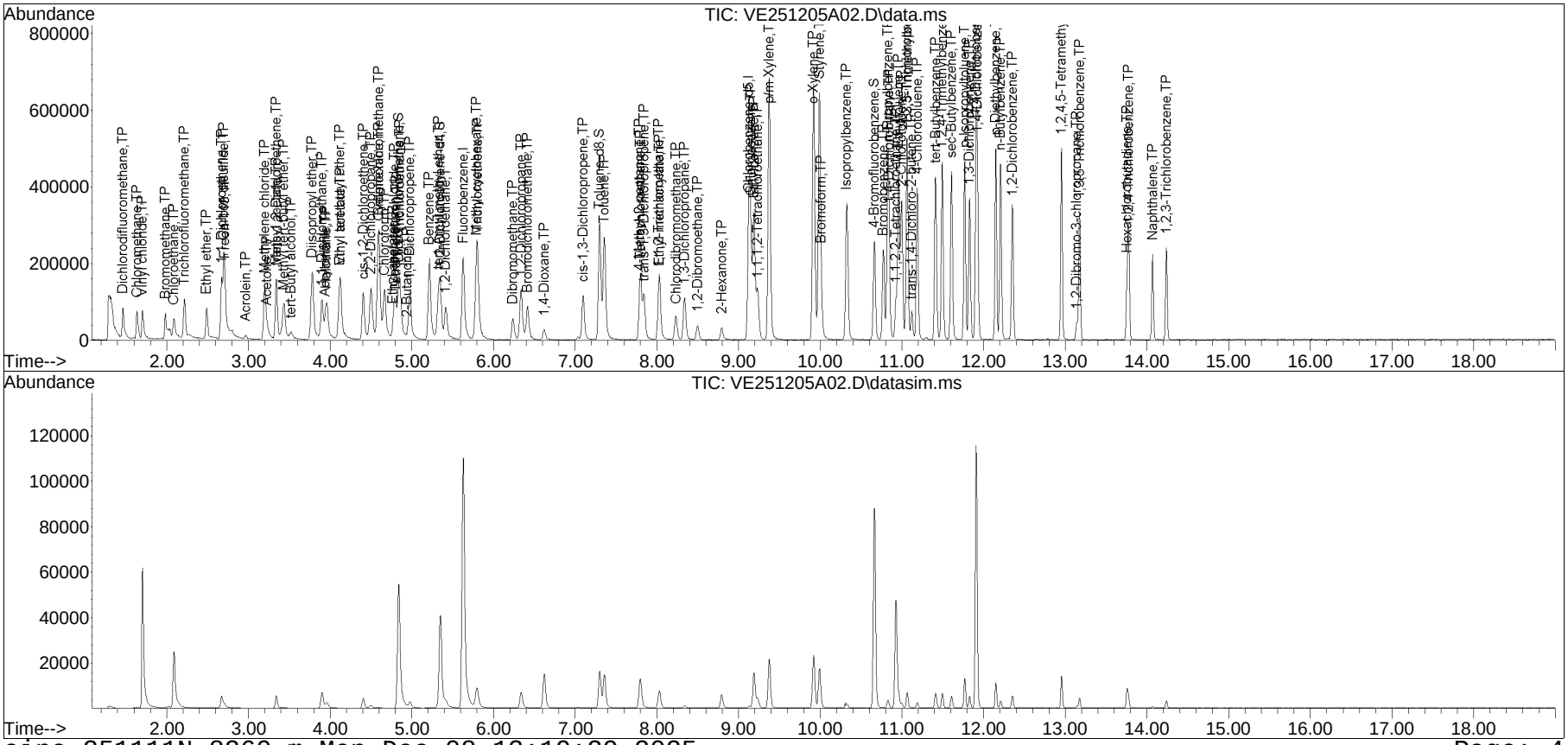
(#) = qualifier out of range (m) = manual integration (+) = signals summed

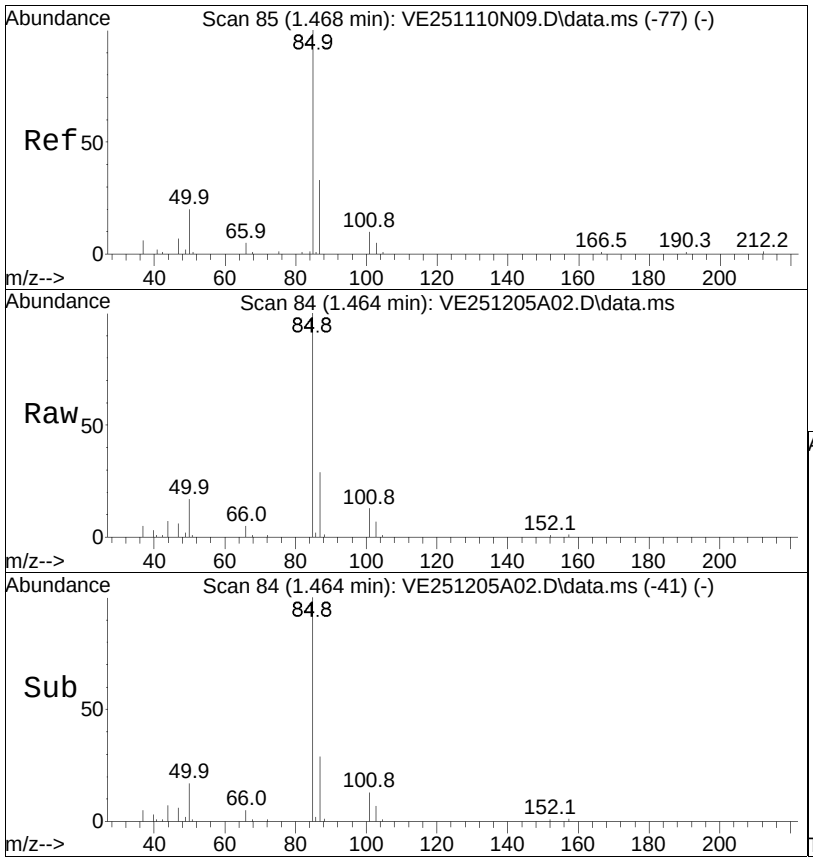
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A02.D
Acq On : 5 Dec 2025 7:56 am
Operator : ELAINE:PID
Sample : WG2150931-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150931,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 09:33:13 2025
Quant Method : K:\Elaine\2025\251205A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

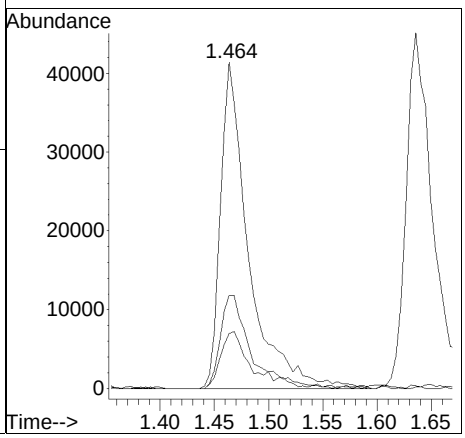


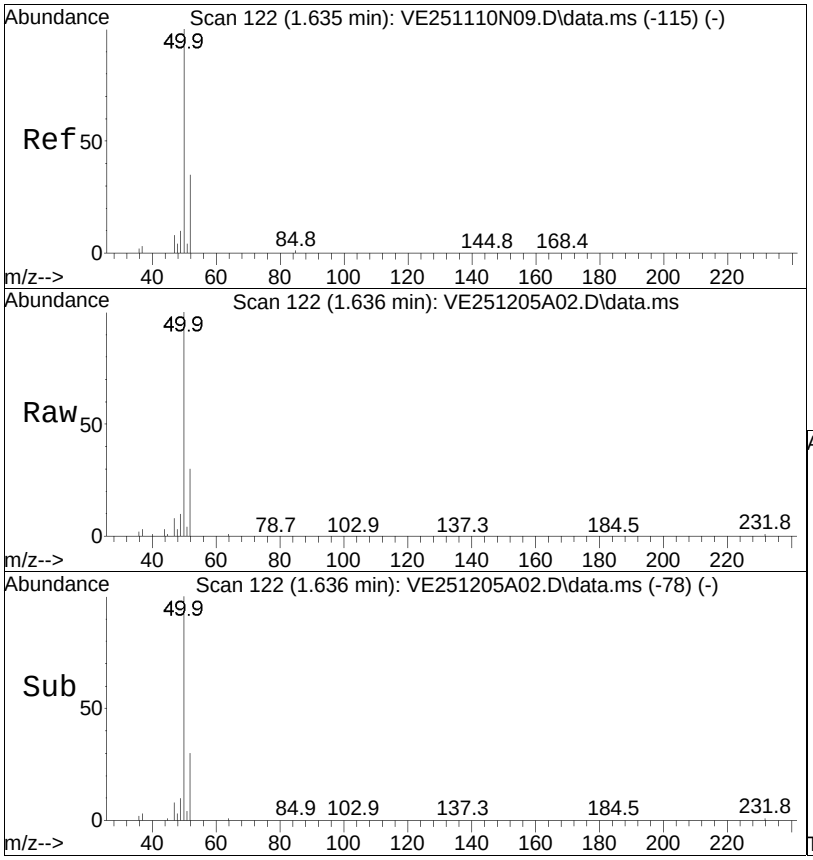


#2
Dichlorodifluoromethane
Concen: 11.22 ug/L
RT: 1.464 min Scan# 84
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 85 Resp: 74847

Ion	Ratio	Lower	Upper
85	100		
87	30.7	20.6	42.8
50	18.9	12.9	26.9

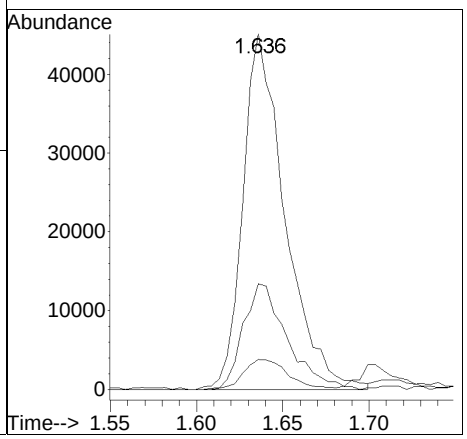


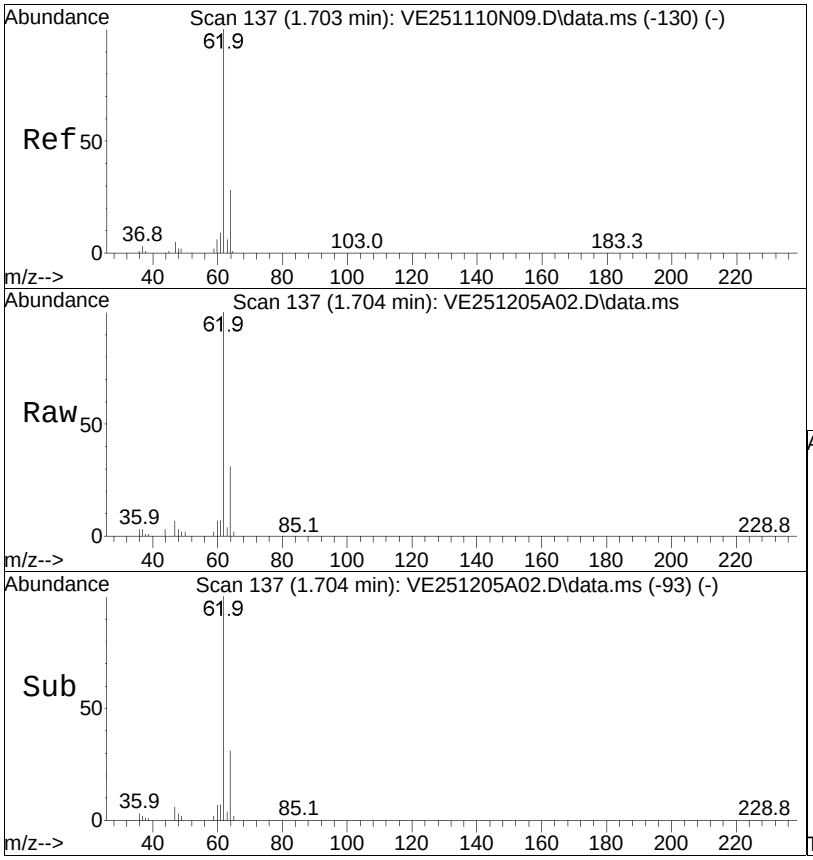


#3
Chloromethane
Concen: 8.61 ug/L
RT: 1.636 min Scan# 122
Delta R.T. 0.001 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 50 Resp: 76818

Ion	Ratio	Lower	Upper
50	100		
52	30.8	13.7	53.7
47	8.9	0.0	27.6

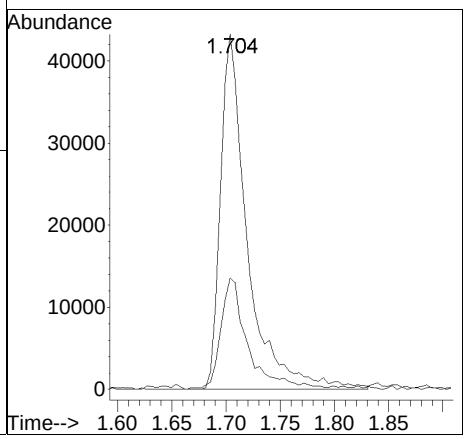


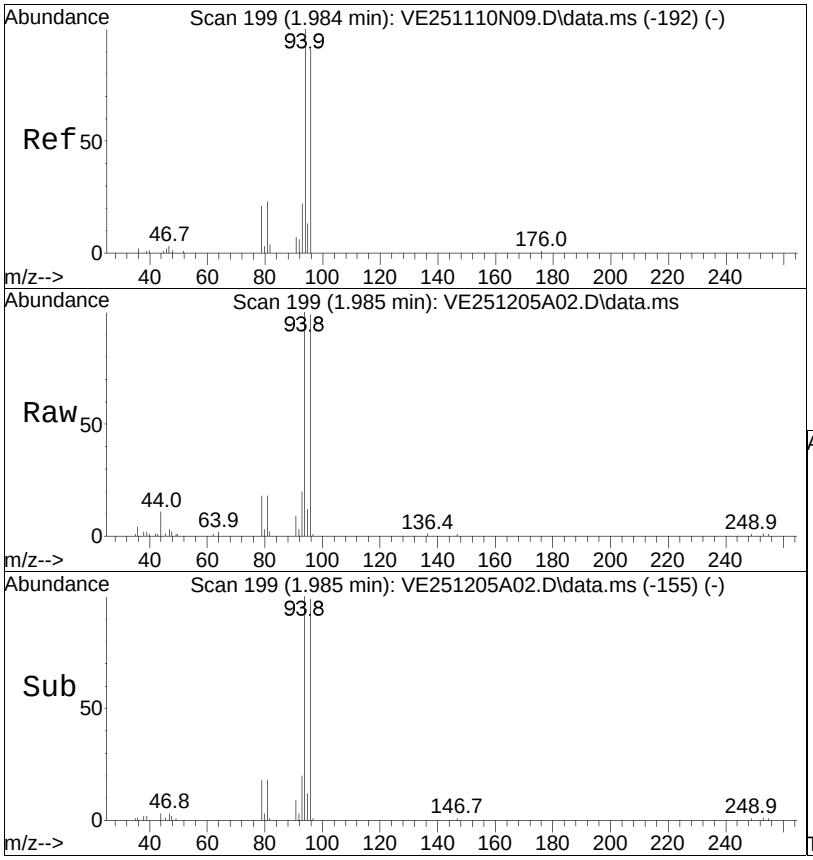


#4
Vinyl chloride
Concen: 10.77 ug/L
RT: 1.704 min Scan# 137
Delta R.T. 0.001 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 62 Resp: 74822

Ion	Ratio	Lower	Upper
62	100		
64	31.7	10.6	50.6

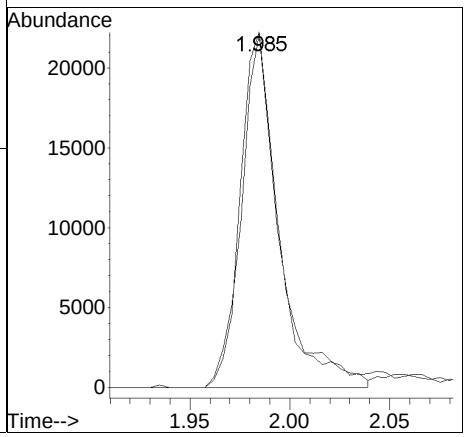


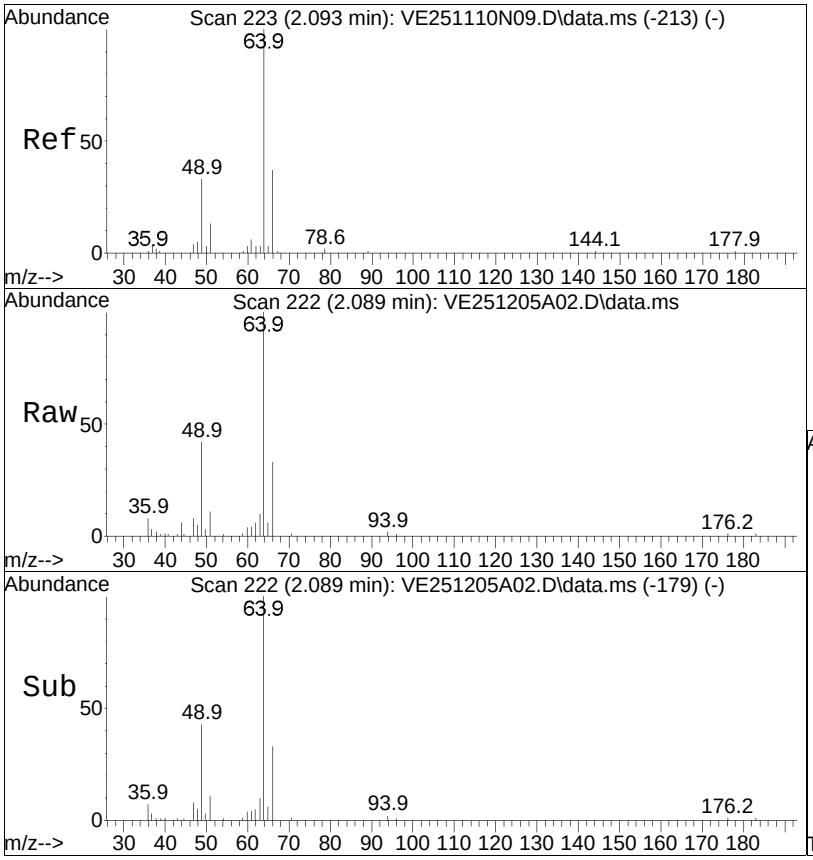


#5
Bromomethane
Concen: 9.51 ug/L
RT: 1.985 min Scan# 199
Delta R.T. 0.001 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 94 Resp: 30244

Ion	Ratio	Lower	Upper
94	100		
96	94.3	71.9	111.9

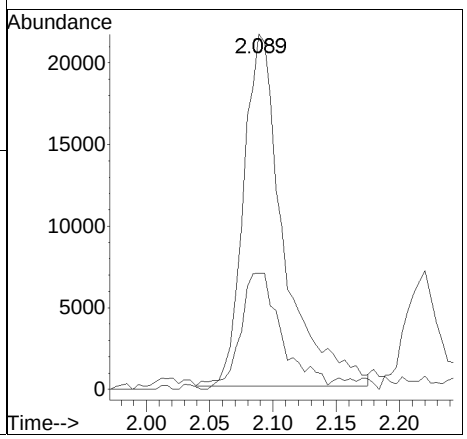


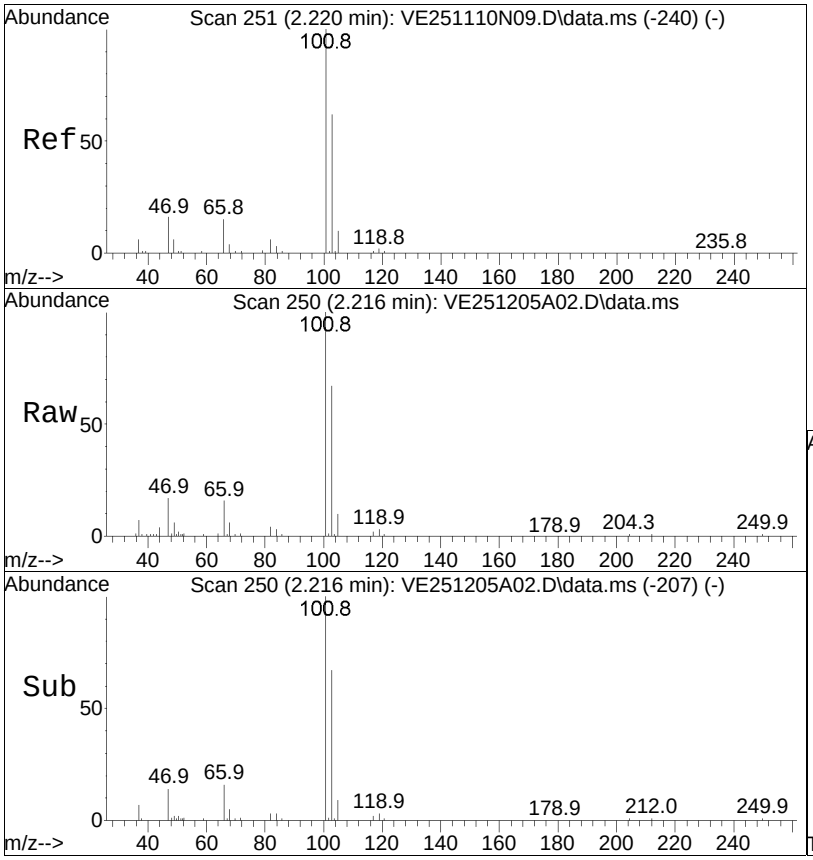


#6
Chloroethane
Concen: 10.53 ug/L
RT: 2.089 min Scan# 222
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 64 Resp: 47686

Ion	Ratio	Lower	Upper
64	100		
66	34.1	12.2	52.2

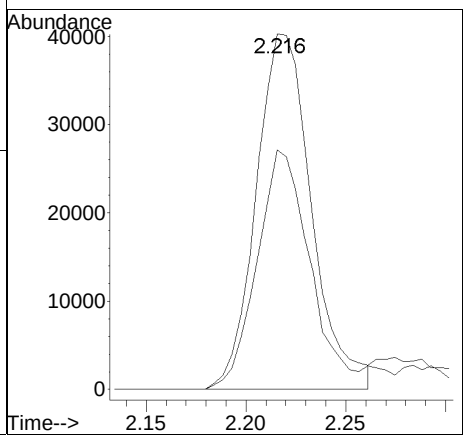


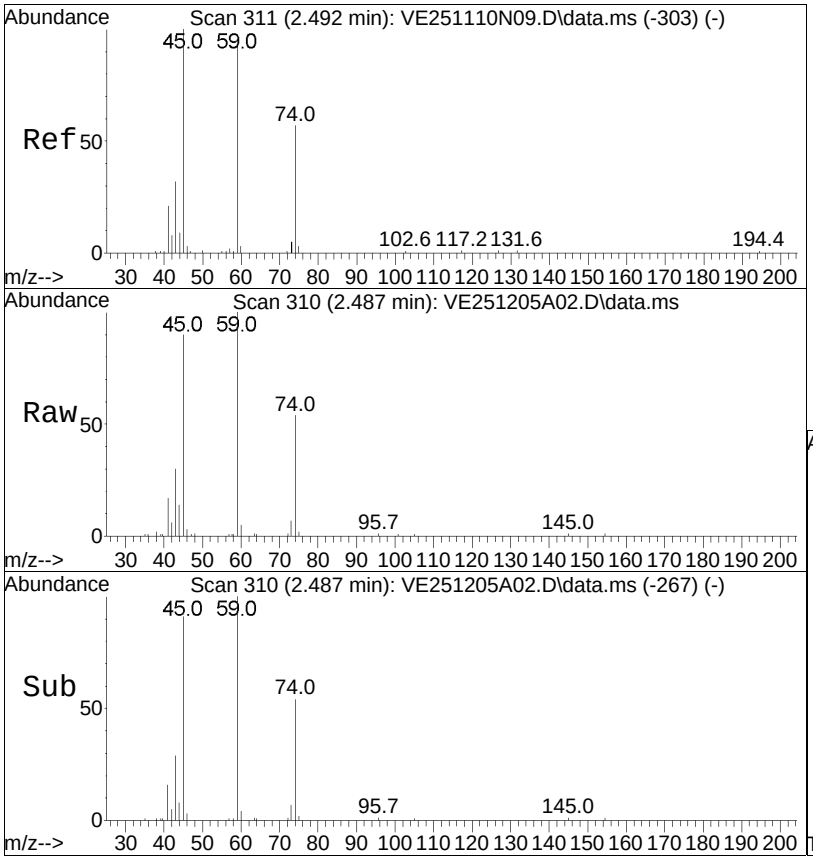


#7
Trichlorofluoromethane
Concen: 9.46 ug/L
RT: 2.216 min Scan# 250
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:101 Resp: 77730

Ion	Ratio	Lower	Upper
101	100		
103	64.2	49.4	74.0

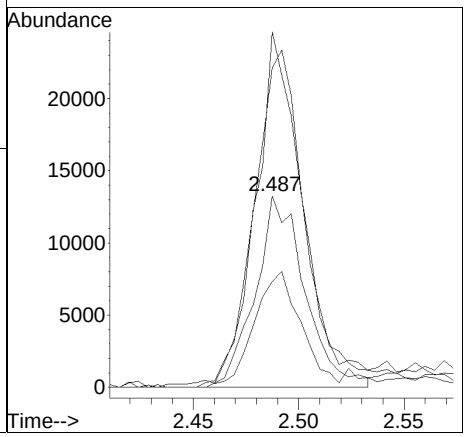


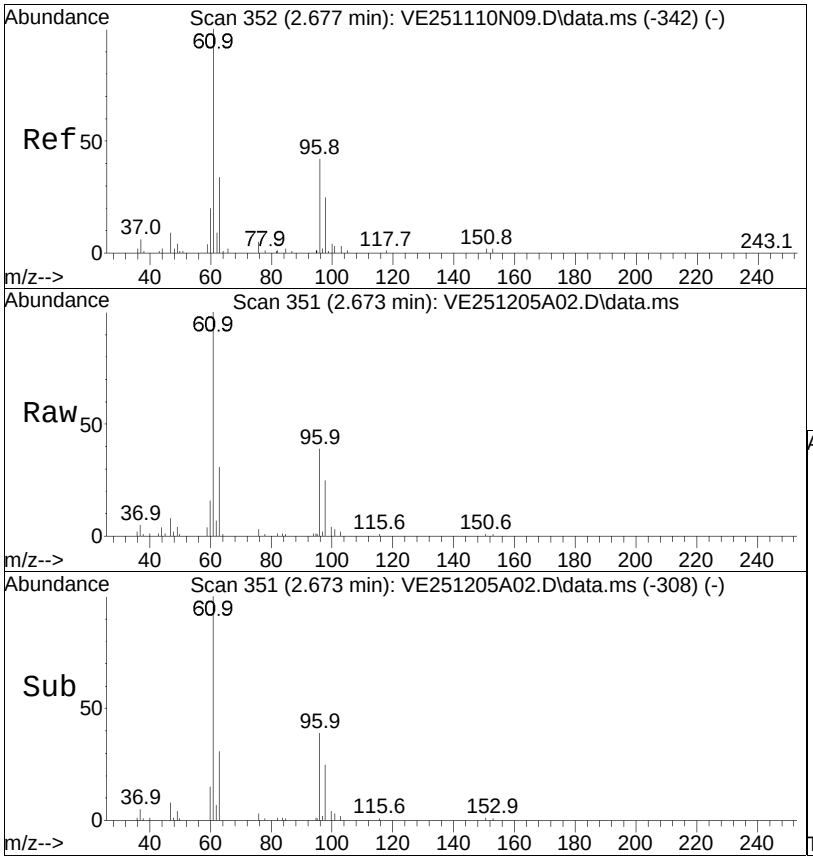


#8
Ethyl ether
Concen: 8.07 ug/L
RT: 2.487 min Scan# 310
Delta R.T. -0.005 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 74 Resp: 21683

Ion	Ratio	Lower	Upper
74	100		
59	178.3	114.5	237.9
45	181.6	120.8	250.8
43	59.0	42.9	89.1

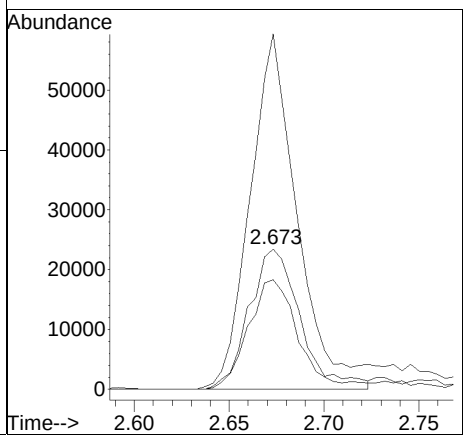


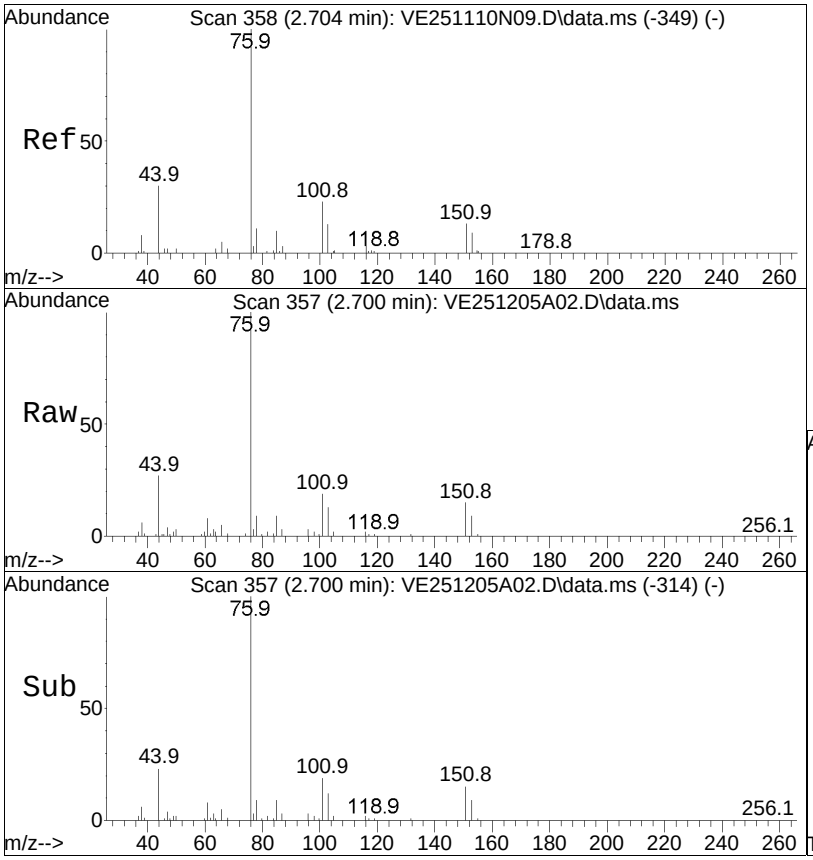


#10
1,1-Dichloroethene
Concen: 9.70 ug/L
RT: 2.673 min Scan# 351
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 96 Resp: 44039

Ion	Ratio	Lower	Upper
96	100		
61	228.0	190.2	285.2
63	74.3	59.9	89.9

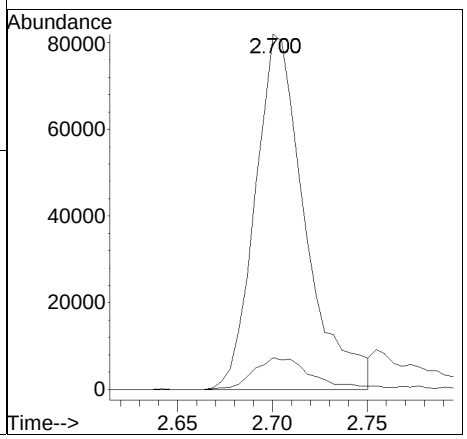


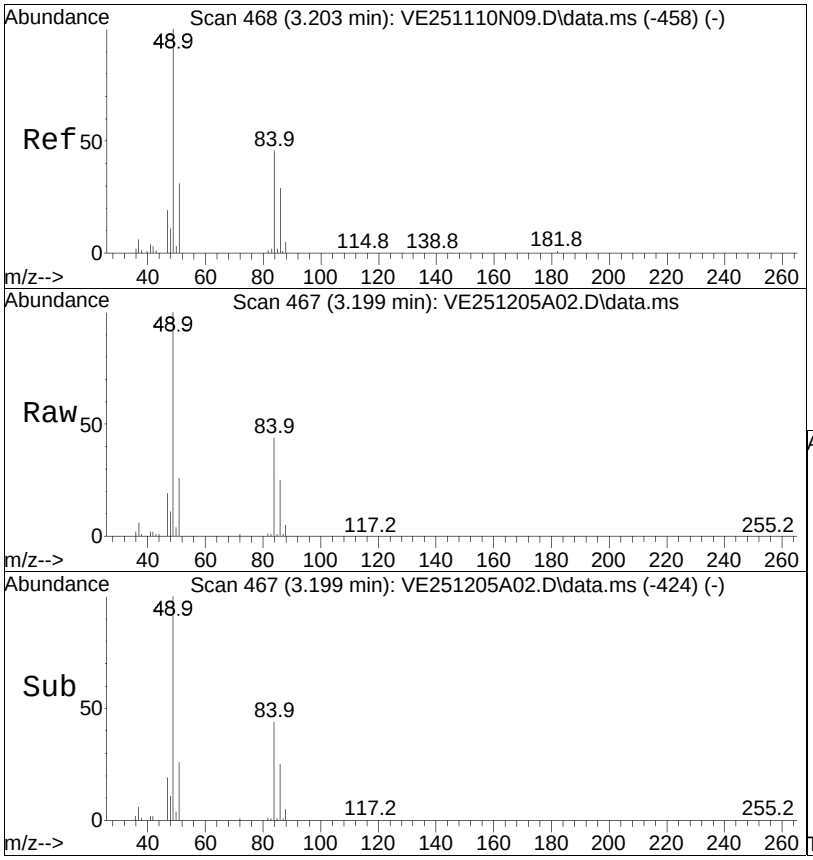


#11
Carbon disulfide
Concen: 9.75 ug/L
RT: 2.700 min Scan# 357
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 76 Resp: 149783

Ion	Ratio	Lower	Upper
76	100		
78	10.6	6.6	13.8

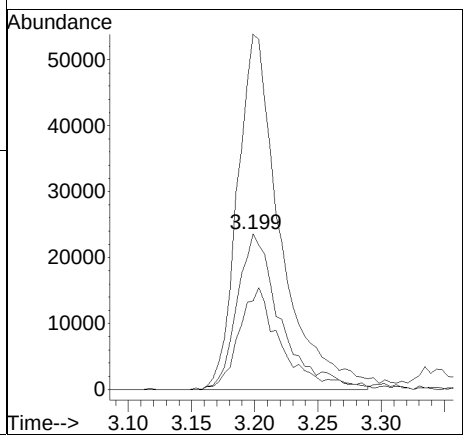


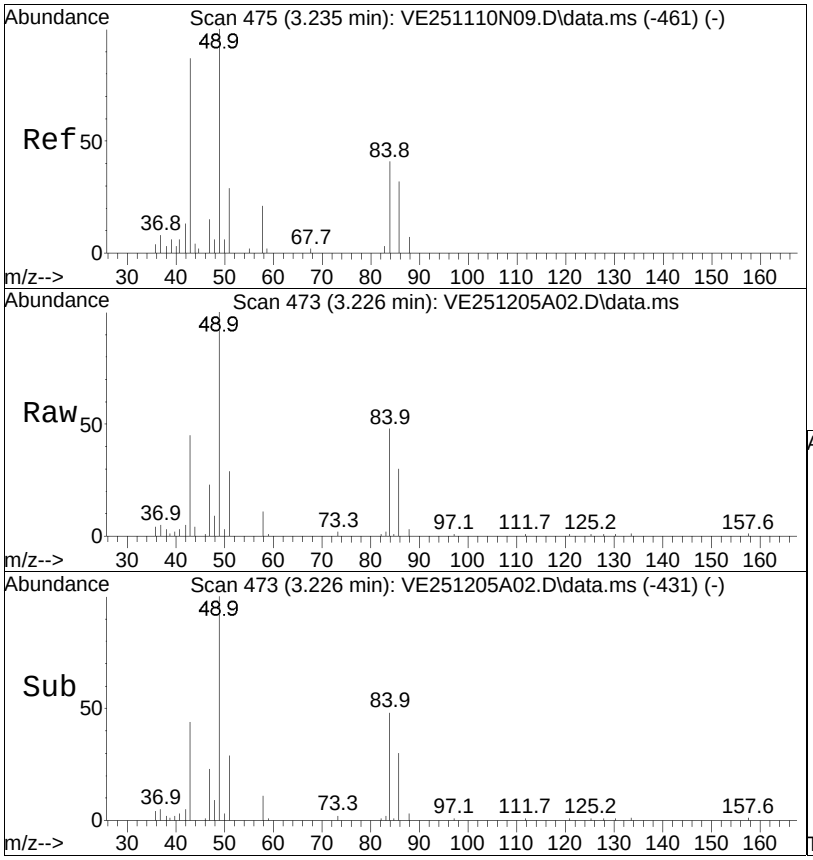


#15
Methylene chloride
Concen: 10.19 ug/L
RT: 3.199 min Scan# 467
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 84 Resp: 56331

Ion	Ratio	Lower	Upper
84	100		
86	64.5	41.8	86.8
49	227.8	141.8	294.6

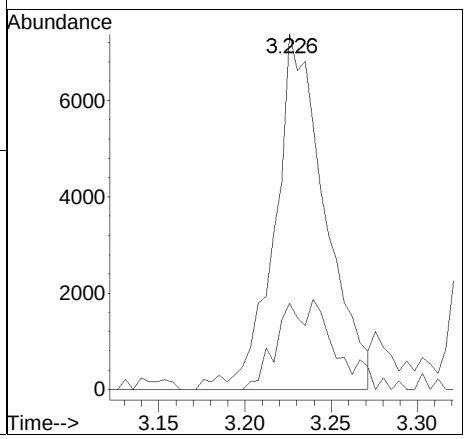


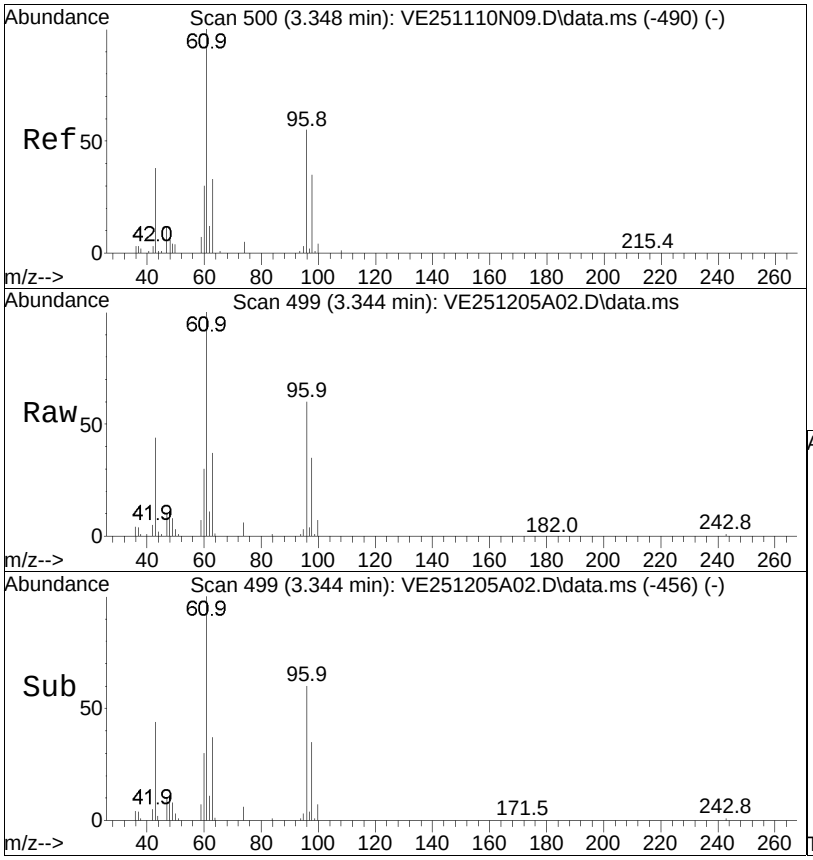


#17
Acetone
Concen: 8.40 ug/L
RT: 3.226 min Scan# 473
Delta R.T. -0.009 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 43 Resp: 15009

Ion	Ratio	Lower	Upper
43	100		
58	14.1	16.2	24.4#

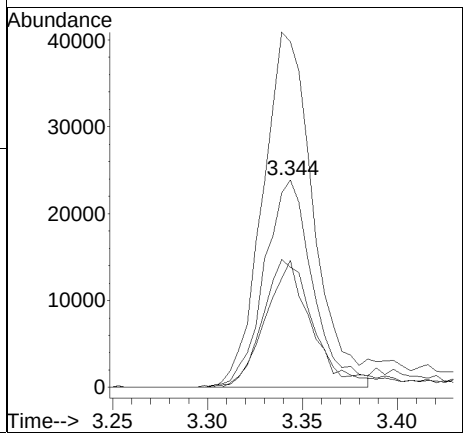


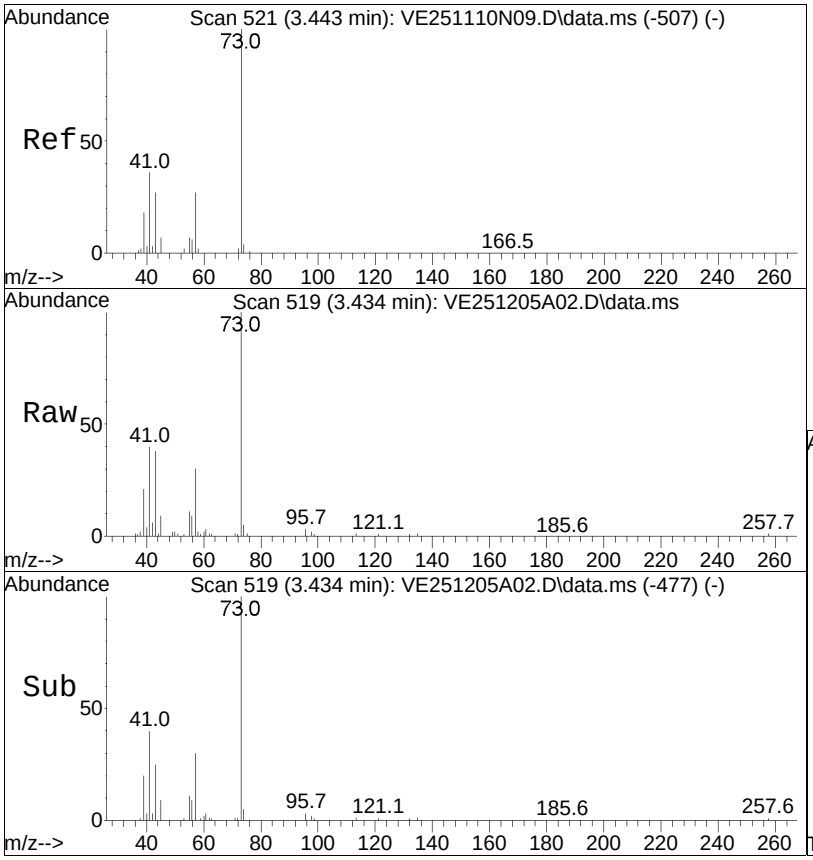


#18
trans-1,2-Dichloroethene
Concen: 9.82 ug/L
RT: 3.344 min Scan# 499
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 96 Resp: 42562

Ion	Ratio	Lower	Upper
96	100		
61	176.7	118.2	245.6
98	62.1	41.9	86.9
63	60.4	39.4	81.8

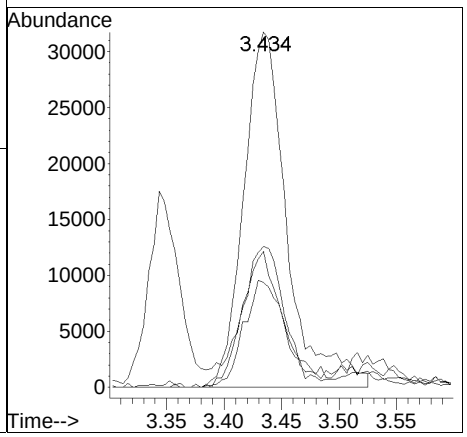


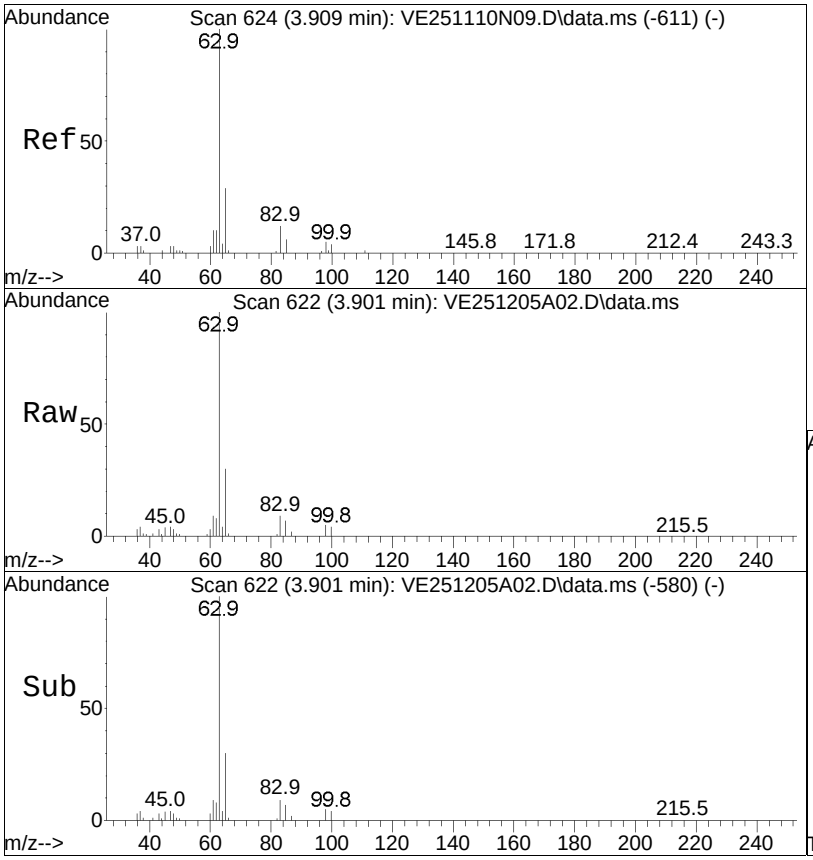


#21
Methyl tert-butyl ether
Concen: 8.27 ug/L
RT: 3.434 min Scan# 519
Delta R.T. -0.009 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 73 Resp: 83346

Ion	Ratio	Lower	Upper
73	100		
57	29.1	21.3	44.1
43	33.2	0.0	0.0#
41	38.7	30.0	62.2

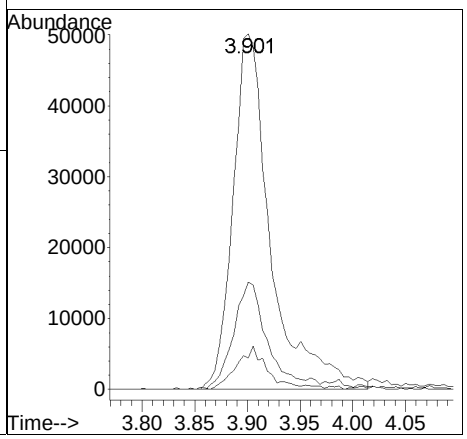


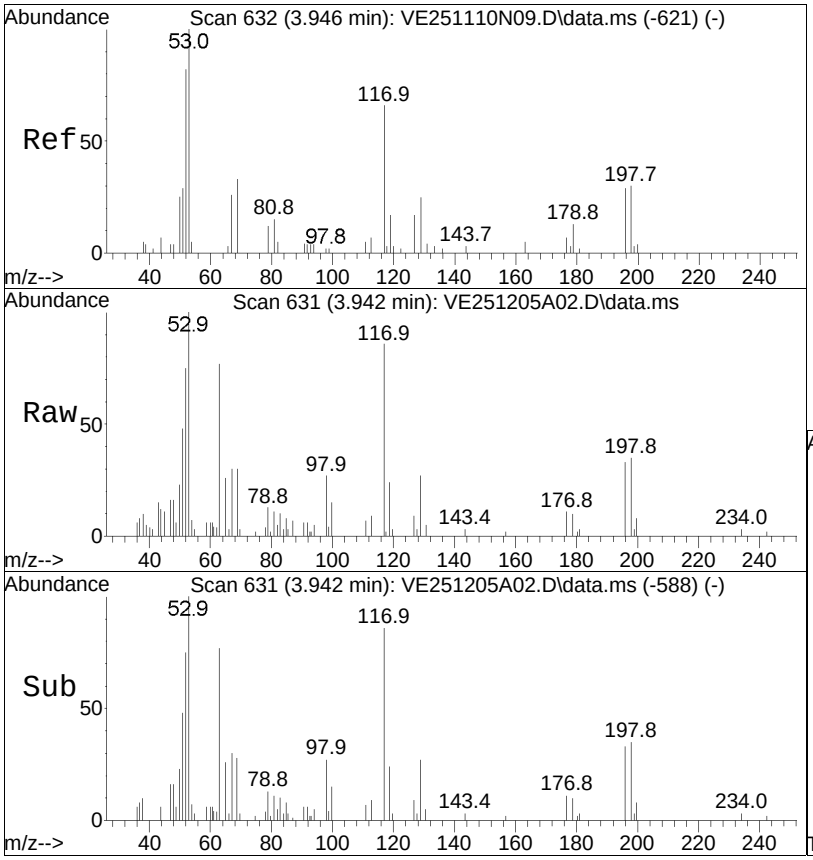


#25
1,1-Dichloroethane
Concen: 10.76 ug/L
RT: 3.901 min Scan# 622
Delta R.T. -0.008 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 63 Resp: 125680

Ion	Ratio	Lower	Upper
63	100		
65	27.5	8.6	48.6
83	9.7	0.0	30.7

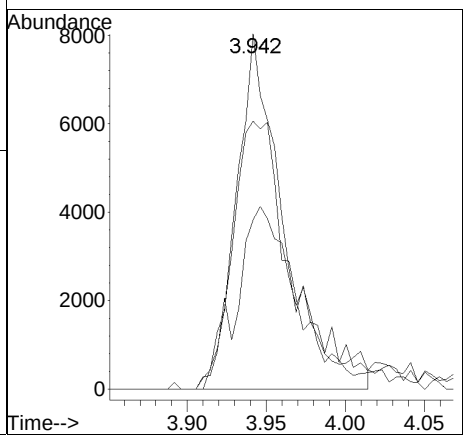


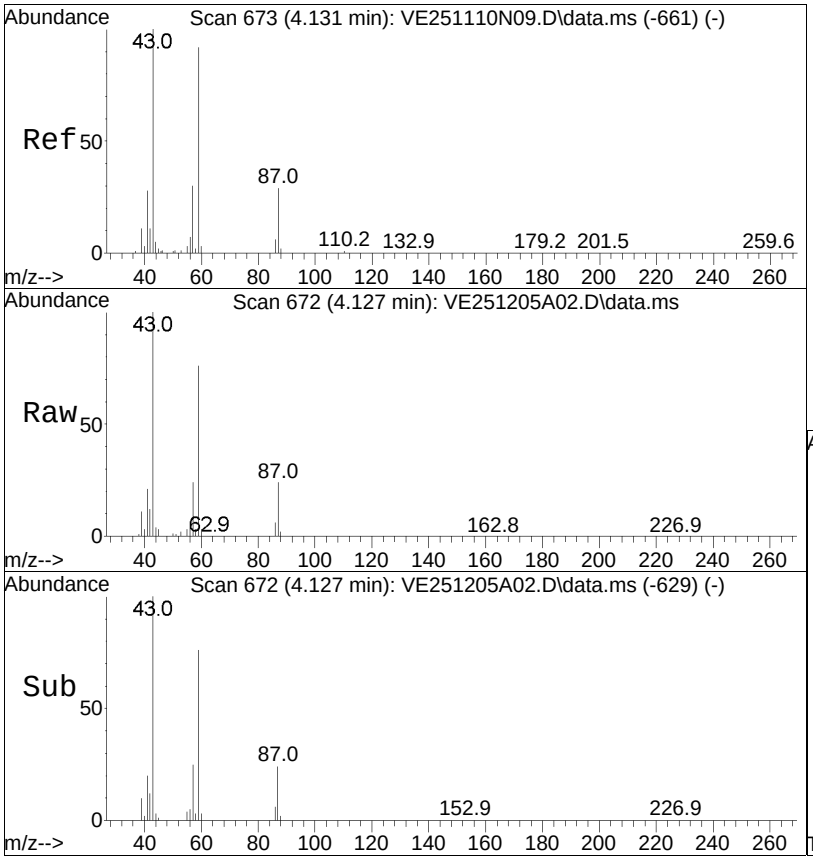


#27
Acrylonitrile
Concen: 8.95 ug/L
RT: 3.942 min Scan# 631
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 53 Resp: 17314

Ion	Ratio	Lower	Upper
53	100		
52	83.9	69.8	104.6
51	63.9	50.4	75.6

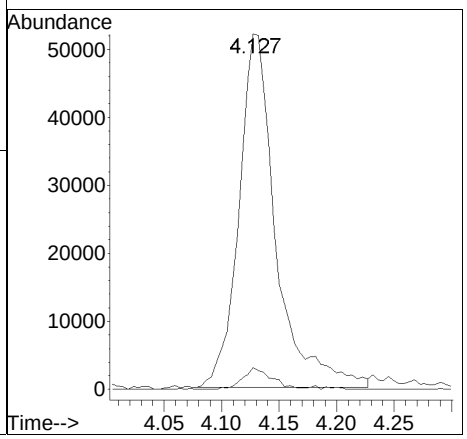


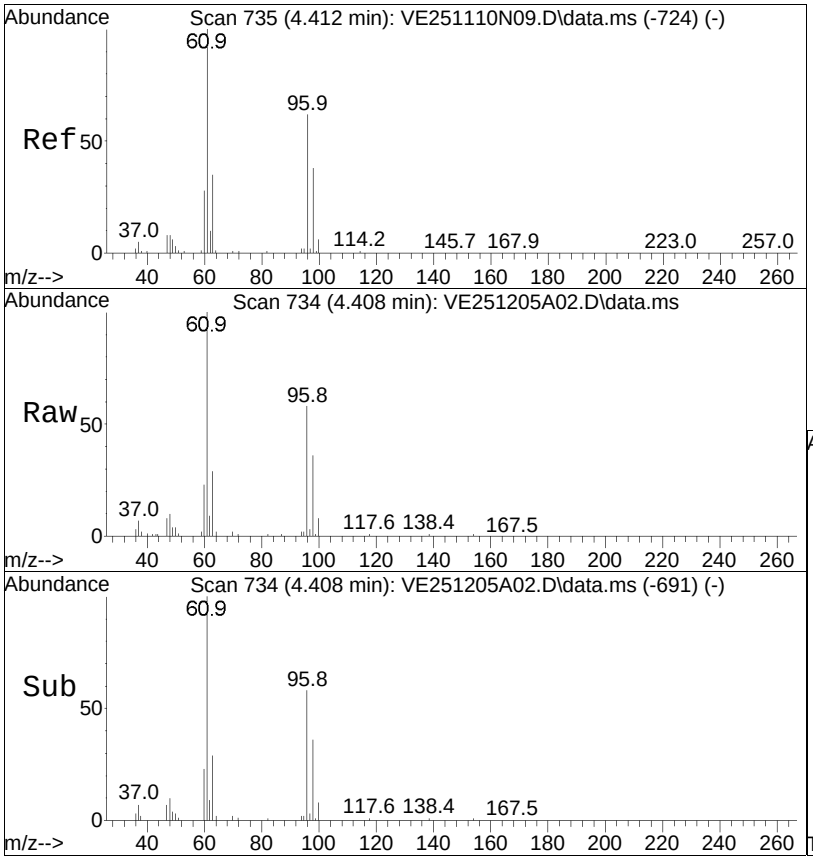


#29
Vinyl acetate
Concen: 8.74 ug/L
RT: 4.127 min Scan# 672
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 43 Resp: 116389

Ion	Ratio	Lower	Upper
43	100		
86	4.8	3.8	5.8

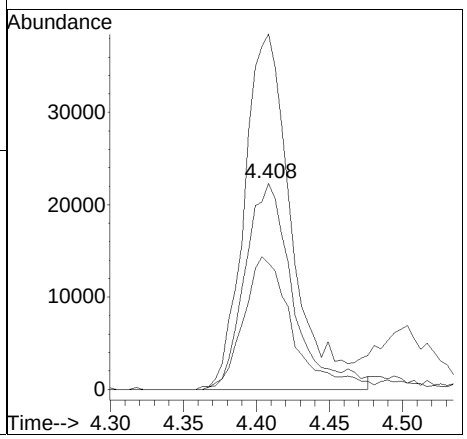


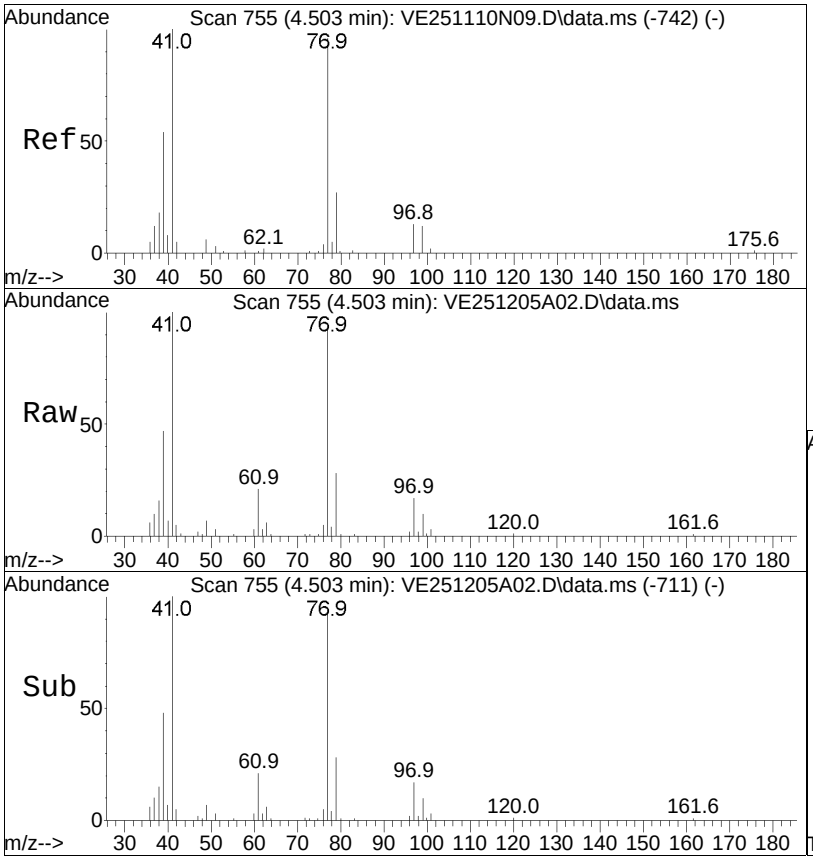


#30
cis-1,2-Dichloroethene
Concen: 9.84 ug/L
RT: 4.408 min Scan# 734
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 96 Resp: 51174

Ion	Ratio	Lower	Upper
96	100		
61	167.4	153.3	229.9
98	65.7	52.8	79.2

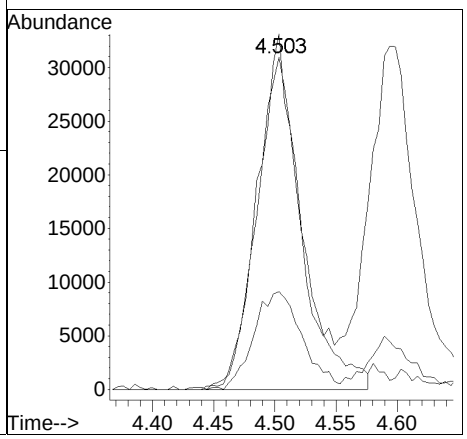


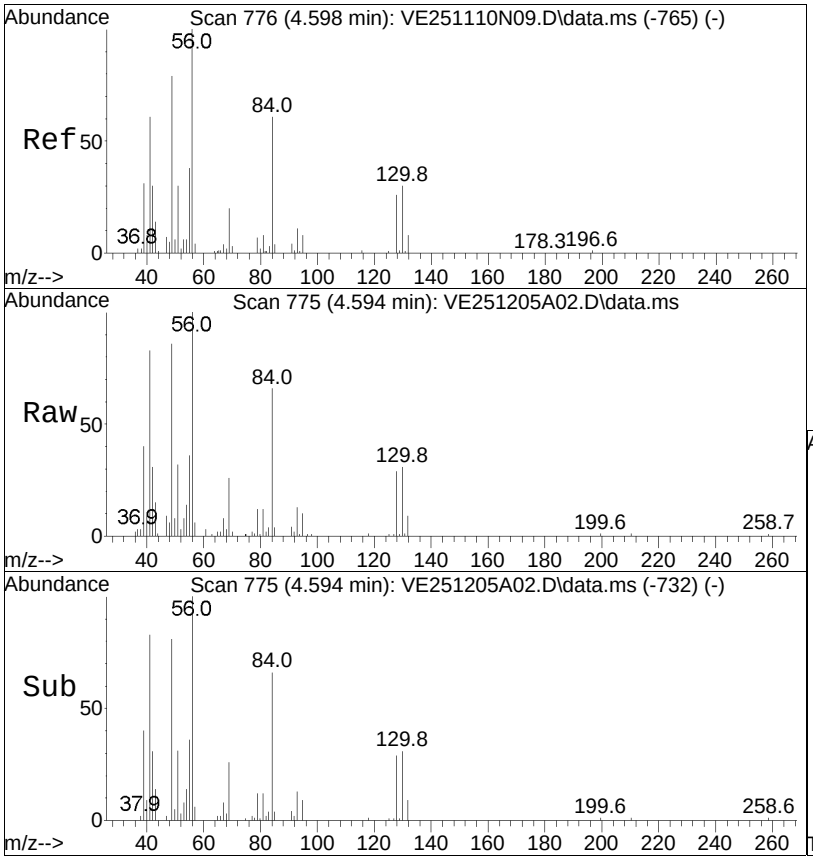


#31
2,2-Dichloropropane
Concen: 11.01 ug/L
RT: 4.503 min Scan# 755
Delta R.T. 0.000 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 77 Resp: 80945

Ion	Ratio	Lower	Upper
77	100		
41	96.7	64.5	134.1
79	31.0	20.8	43.2

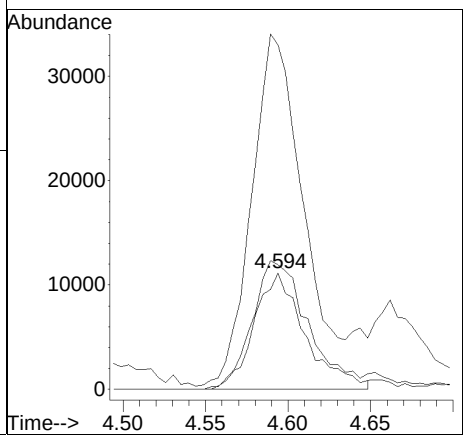


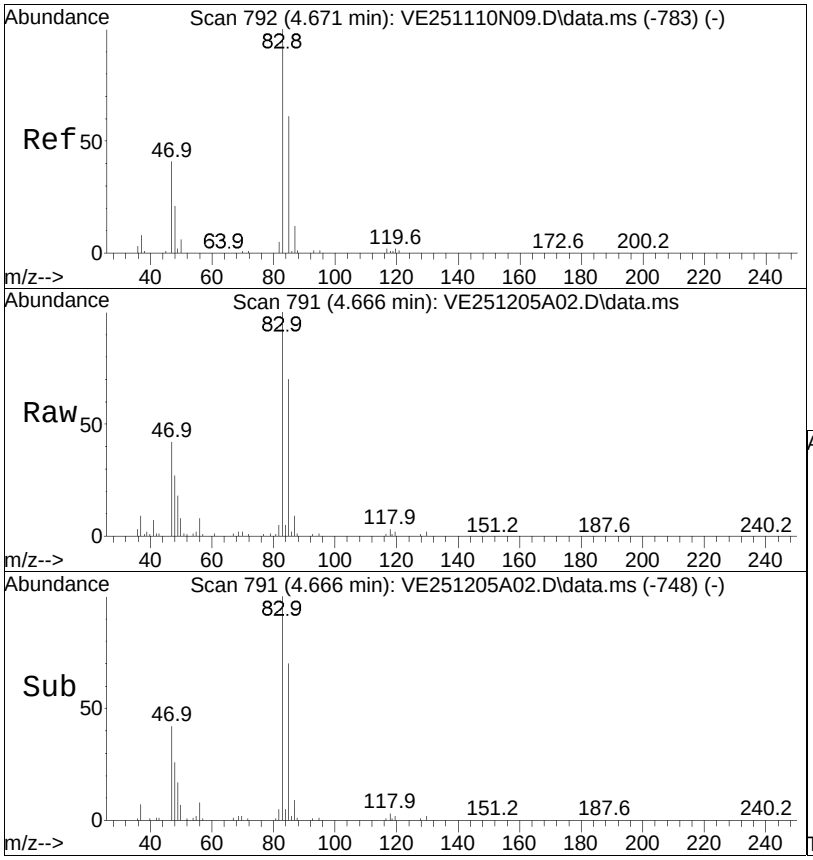


#33
Bromochloromethane
Concen: 10.62 ug/L
RT: 4.594 min Scan# 775
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:128 Resp: 24260

Ion	Ratio	Lower	Upper
128	100		
49	300.8	295.7	443.5
130	119.4	101.9	152.9

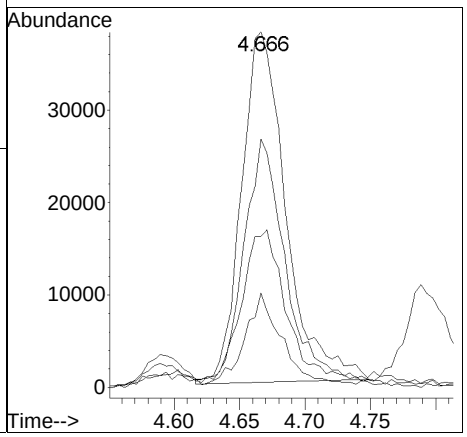


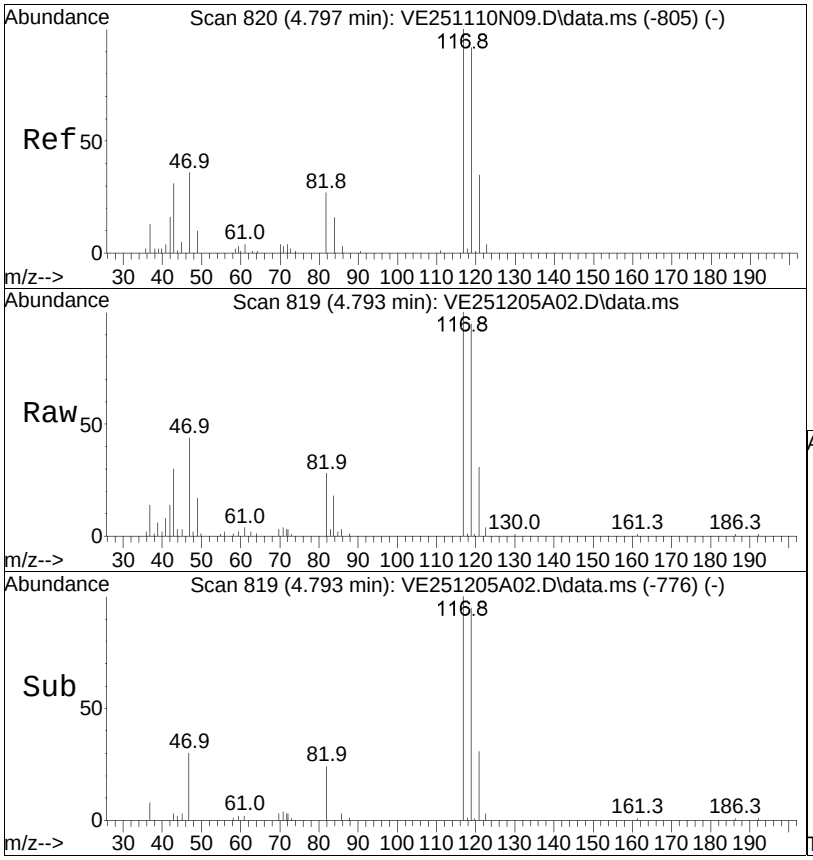


#35
Chloroform
Concen: 9.64 ug/L
RT: 4.666 min Scan# 791
Delta R.T. -0.005 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 83 Resp: 90026

Ion	Ratio	Lower	Upper
83	100		
85	67.5	42.4	88.2
47	42.4	23.7	49.3
48	22.2	14.4	29.8

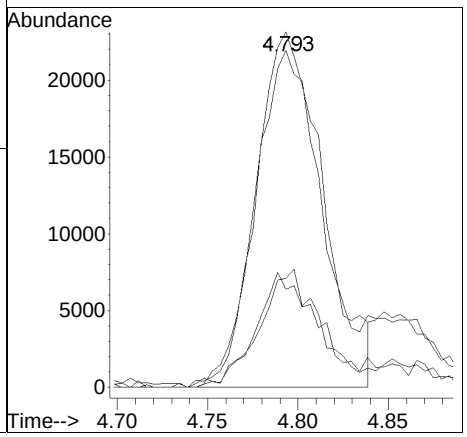


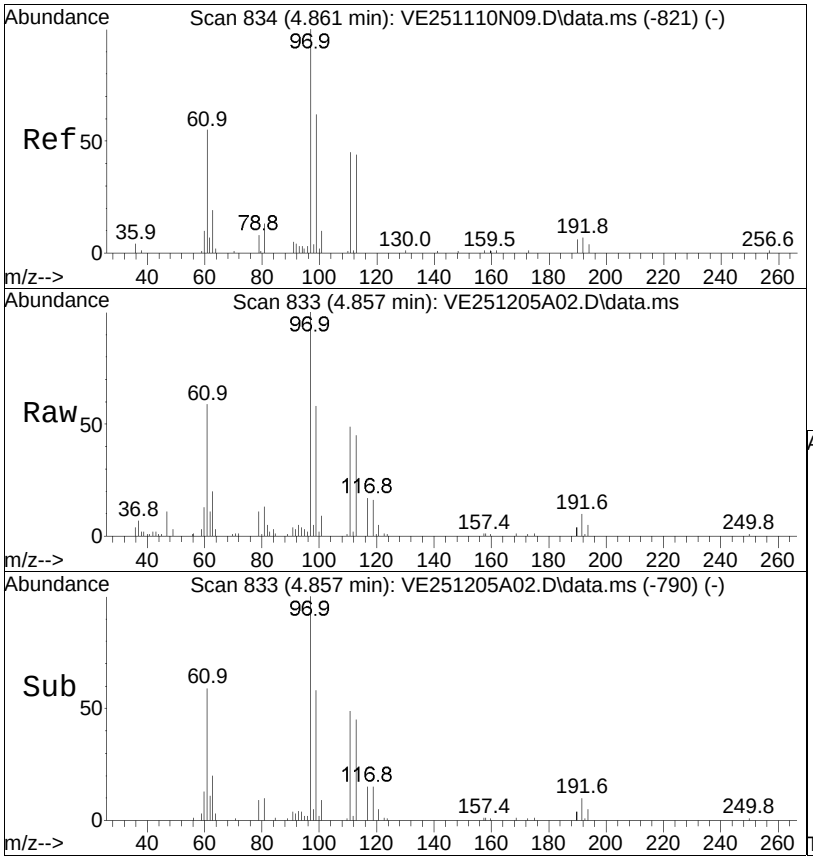


#37
Carbon tetrachloride
Concen: 10.79 ug/L
RT: 4.793 min Scan# 819
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:117 Resp: 60060

Ion	Ratio	Lower	Upper
117	100		
119	91.8	74.8	155.4
121	29.7	23.5	48.7
82	30.0	22.5	46.7

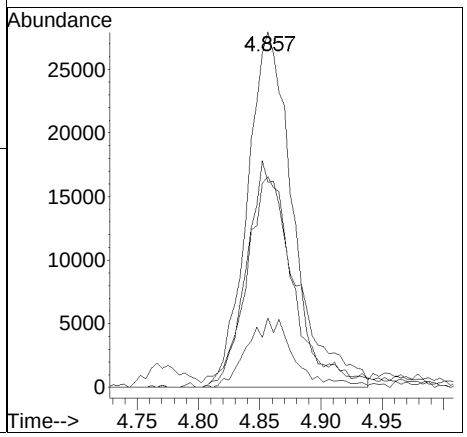


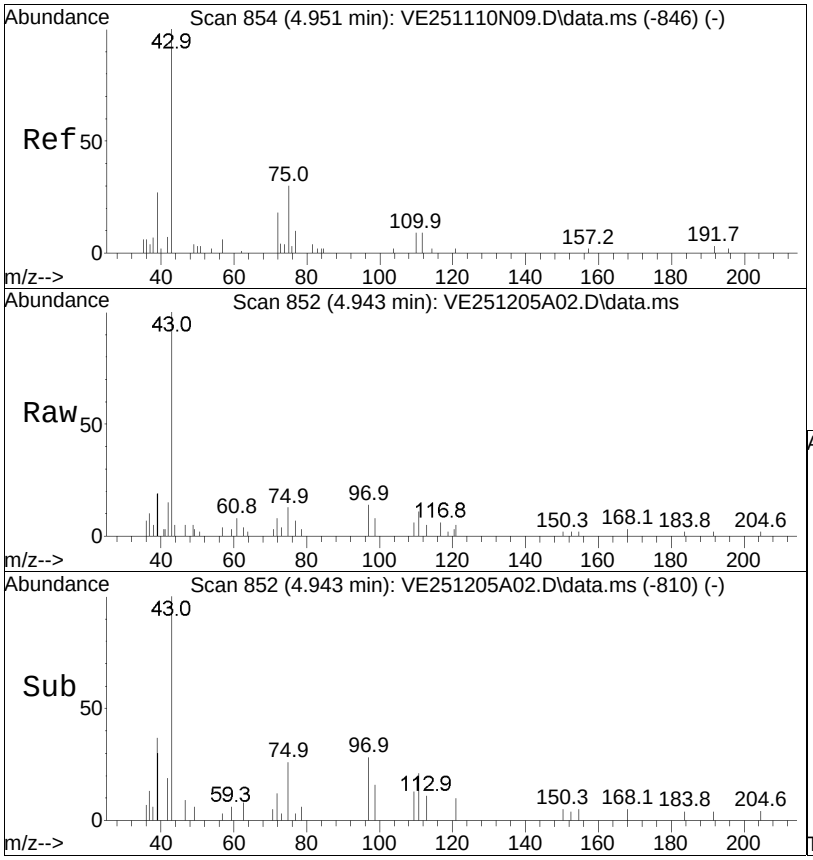


#40
1,1,1-Trichloroethane
Concen: 10.56 ug/L
RT: 4.857 min Scan# 833
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 97 Resp: 74216

Ion	Ratio	Lower	Upper
97	100		
99	63.7	40.7	84.5
61	56.8	40.5	84.1
63	19.4	11.8	24.6

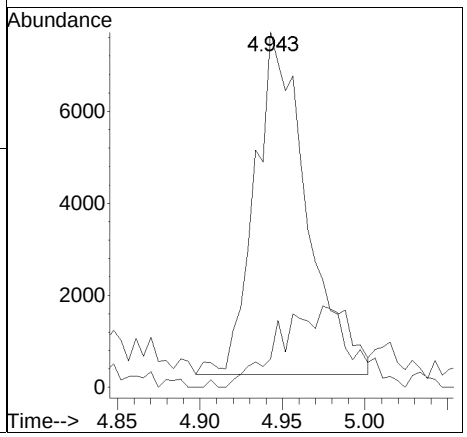


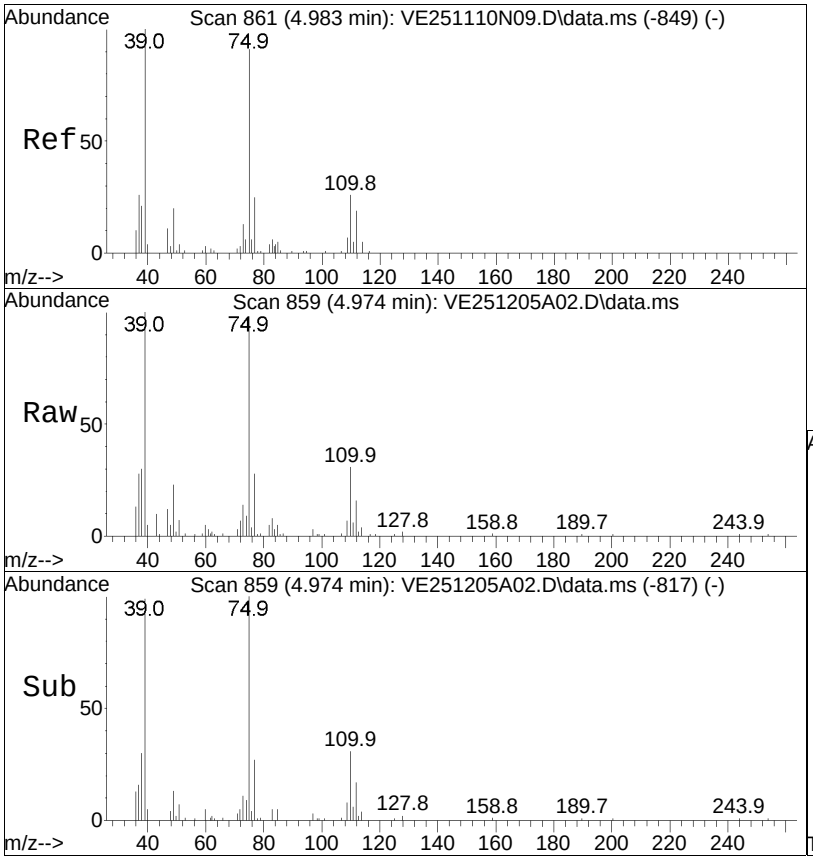


#42
2-Butanone
Concen: 7.31 ug/L
RT: 4.943 min Scan# 852
Delta R.T. -0.008 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 43 Resp: 16375

Ion	Ratio	Lower	Upper
43	100		
72	17.5	22.8	34.2#

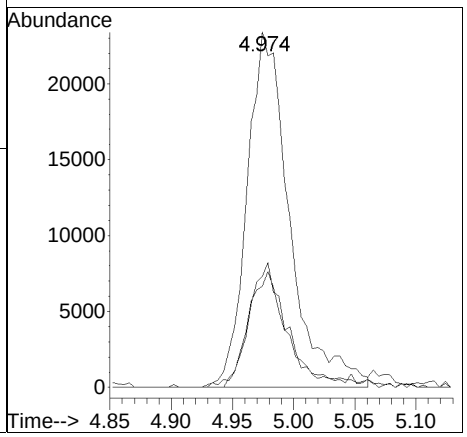


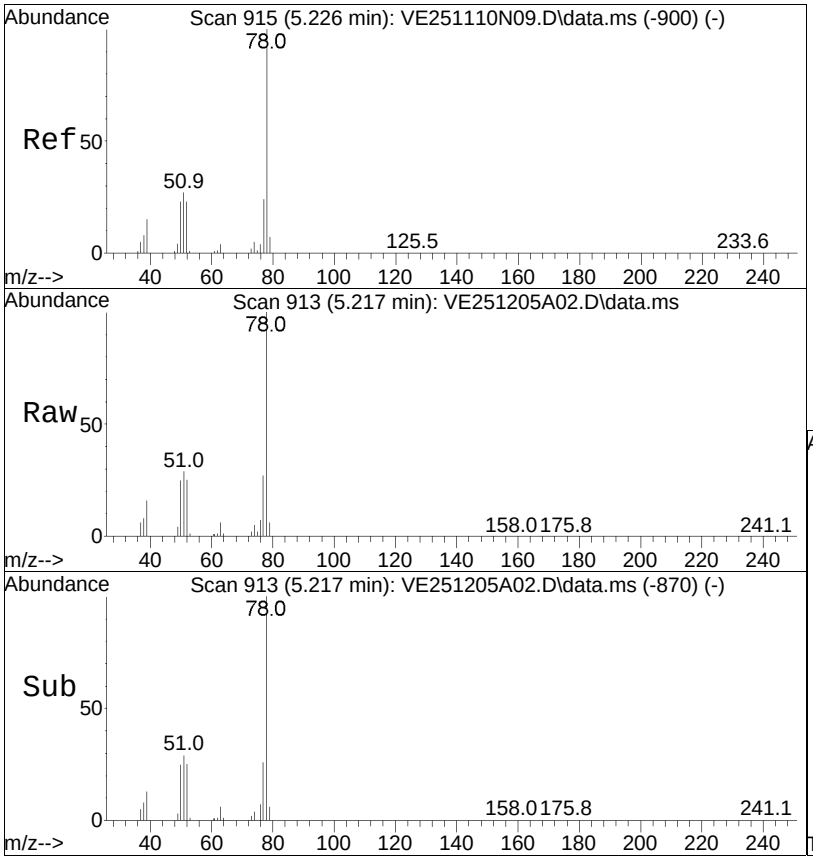


#43
1,1-Dichloropropene
Concen: 9.54 ug/L
RT: 4.974 min Scan# 859
Delta R.T. -0.009 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 75 Resp: 56756

Ion	Ratio	Lower	Upper
75	100		
110	30.6	20.5	42.7
77	32.0	20.0	41.6

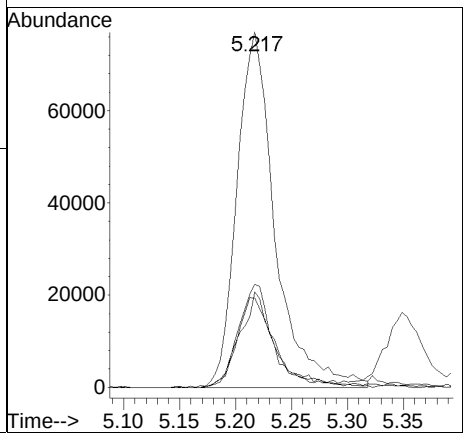


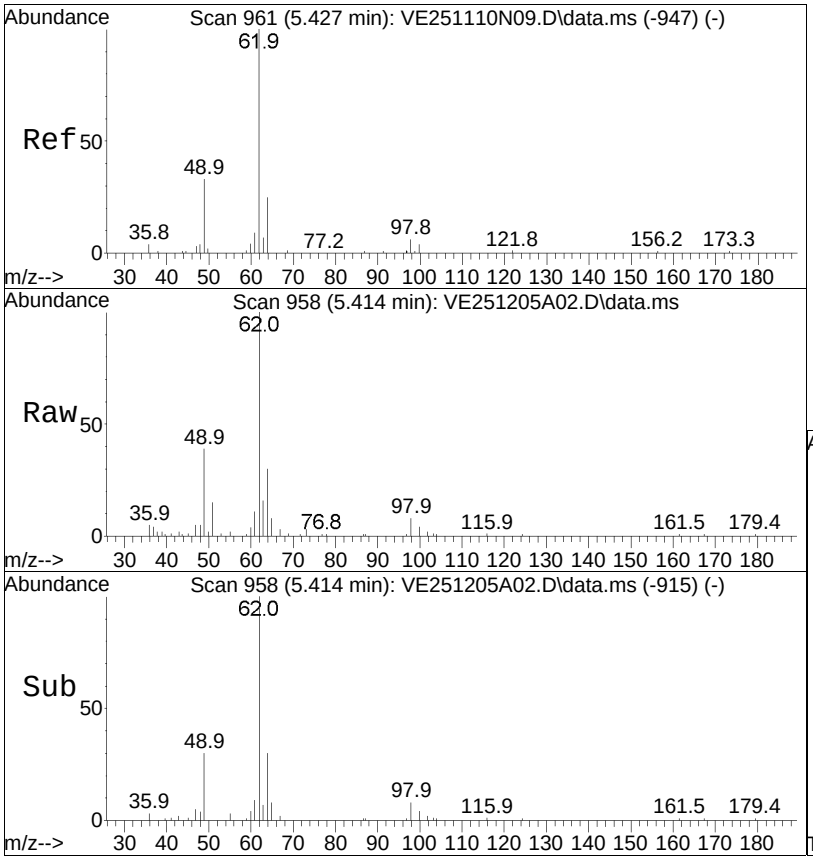


#45
Benzene
Concen: 9.71 ug/L
RT: 5.217 min Scan# 913
Delta R.T. -0.009 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 78 Resp: 183231

Ion	Ratio	Lower	Upper
78	100		
77	24.6	15.7	32.7
51	27.3	17.1	35.5
52	24.6	16.2	33.6

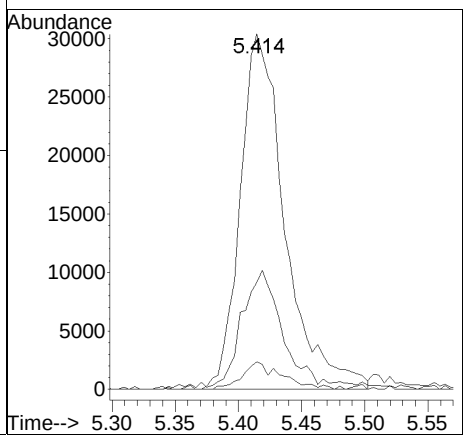


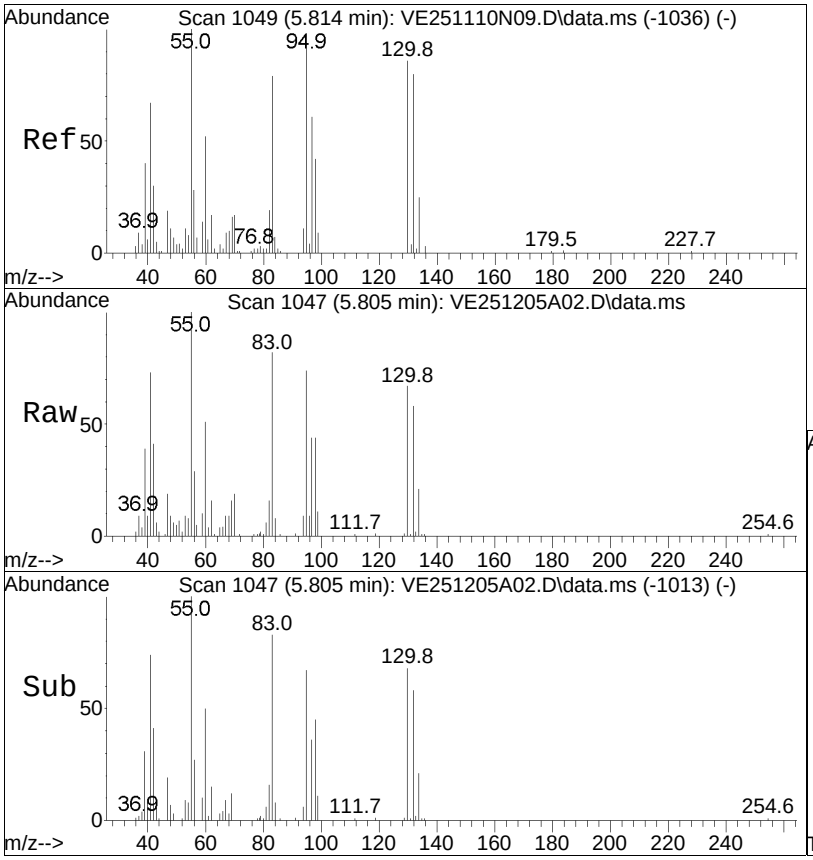


#48
1,2-Dichloroethane
Concen: 9.59 ug/L
RT: 5.414 min Scan# 958
Delta R.T. -0.013 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 62 Resp: 74871

Ion	Ratio	Lower	Upper
62	100		
64	29.2	10.9	50.9
98	6.9	0.0	27.2

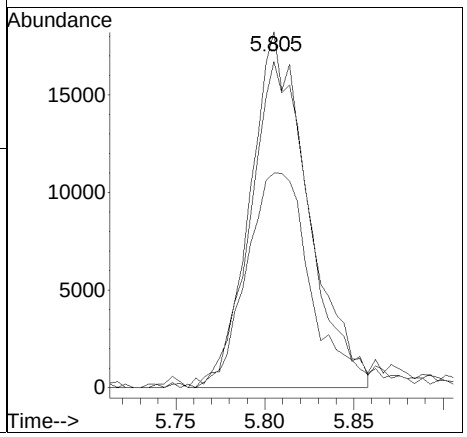


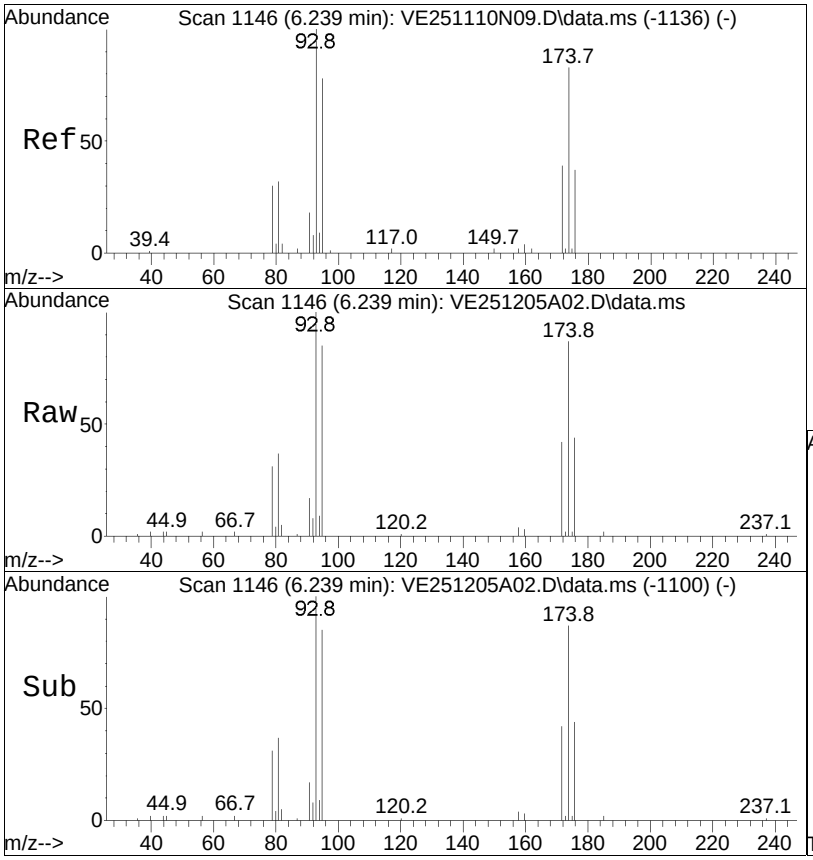


#52
Trichloroethene
Concen: 9.10 ug/L
RT: 5.805 min Scan# 1047
Delta R.T. -0.009 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 95 Resp: 41445

Ion	Ratio	Lower	Upper
95	100		
97	69.1	54.4	81.6
130	95.2	73.7	110.5

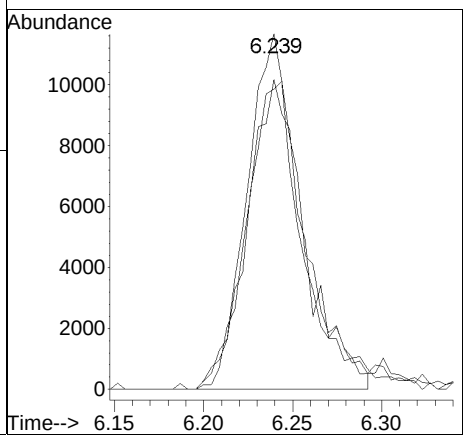


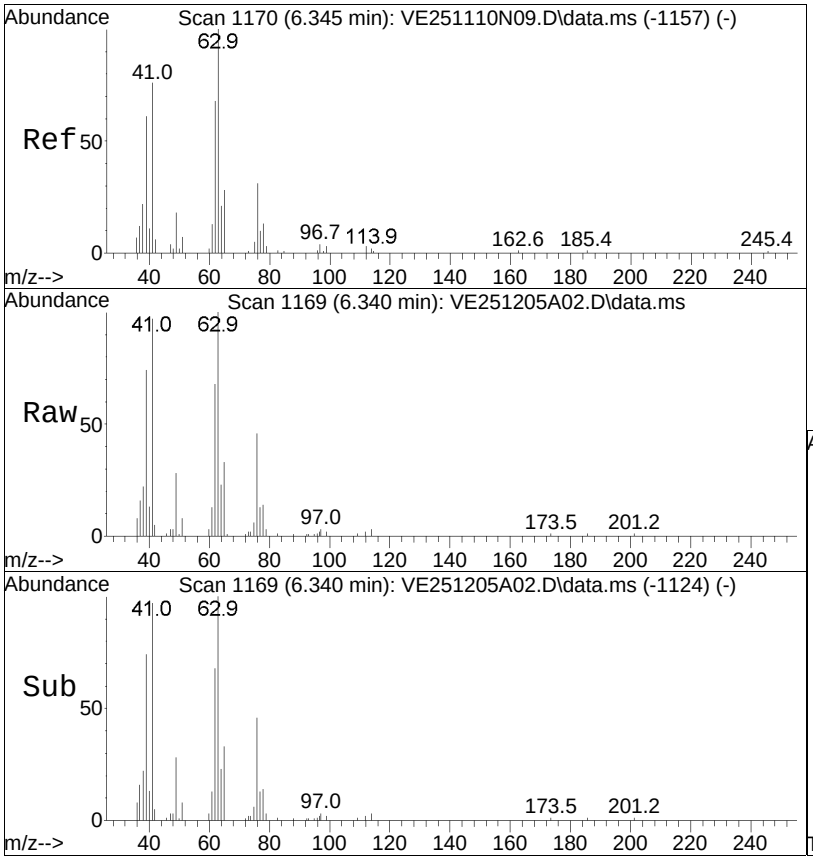


#54
Dibromomethane
Concen: 9.04 ug/L
RT: 6.239 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 93 Resp: 25368

Ion	Ratio	Lower	Upper
93	100		
95	89.9	67.4	101.0
174	88.8	64.7	97.1

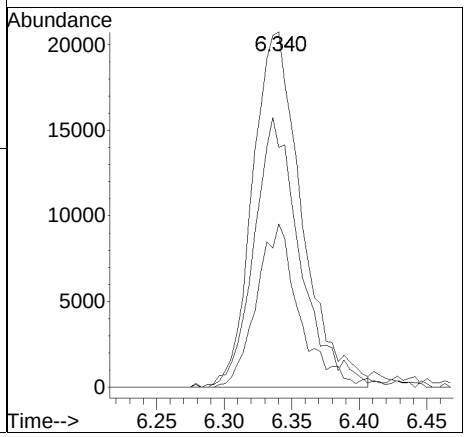


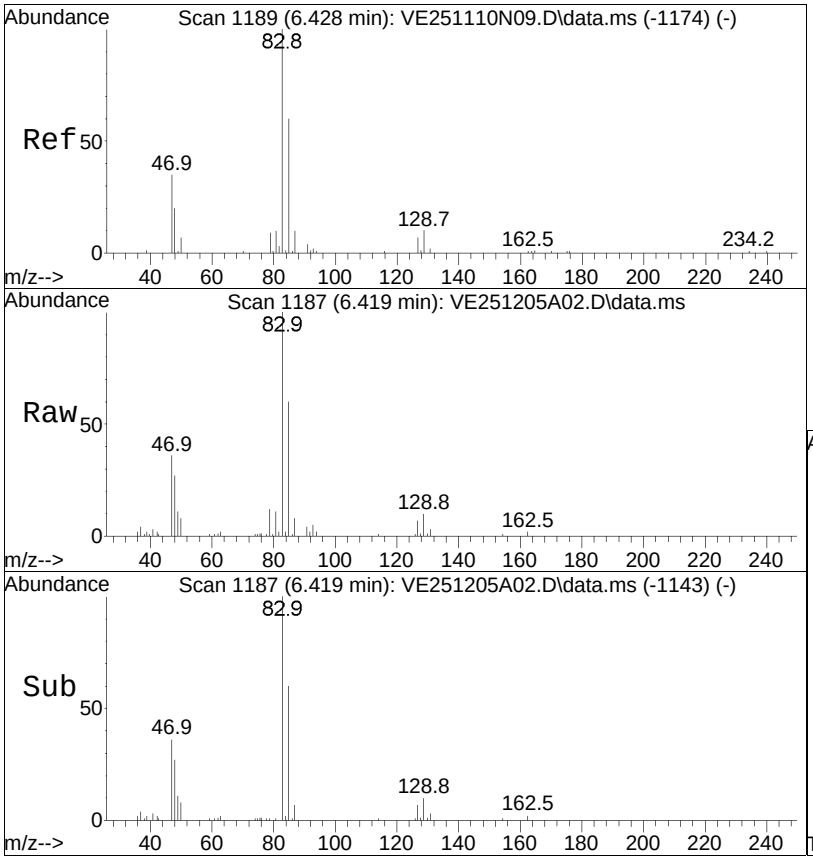


#55
1,2-Dichloropropane
Concen: 8.76 ug/L
RT: 6.340 min Scan# 1169
Delta R.T. -0.005 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 63 Resp: 52408

Ion	Ratio	Lower	Upper
63	100		
62	72.2	57.2	85.8
76	40.0	28.4	42.6

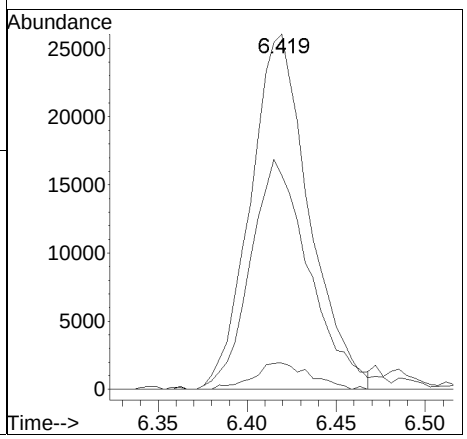


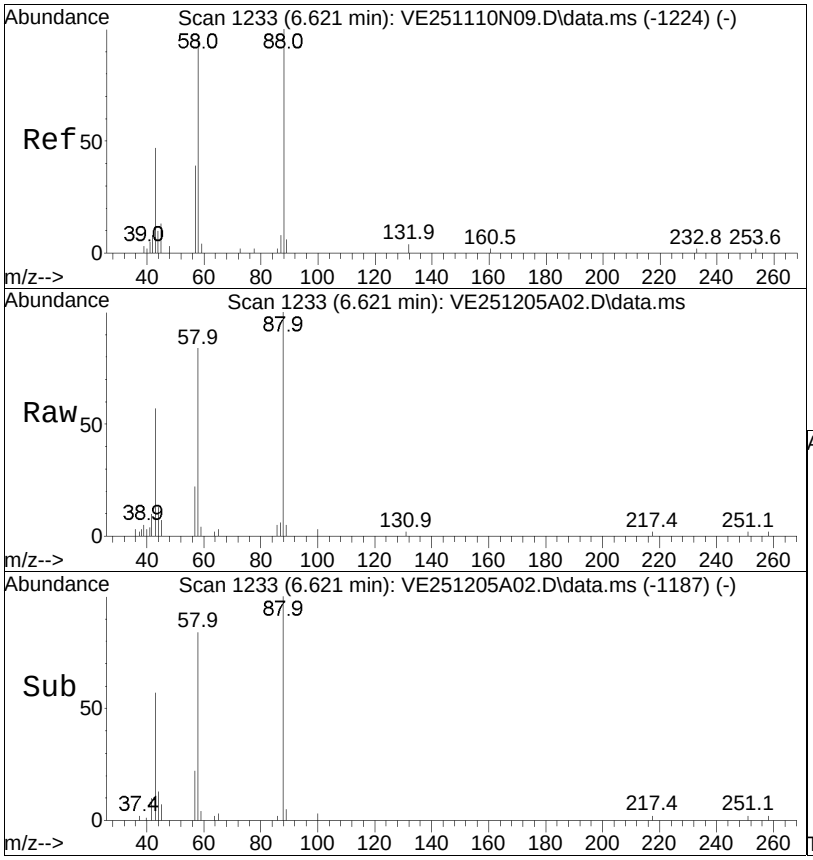


#58
Bromodichloromethane
Concen: 9.25 ug/L
RT: 6.419 min Scan# 1187
Delta R.T. -0.009 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 83 Resp: 59917

Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.9	80.9
127	7.3	6.2	9.4

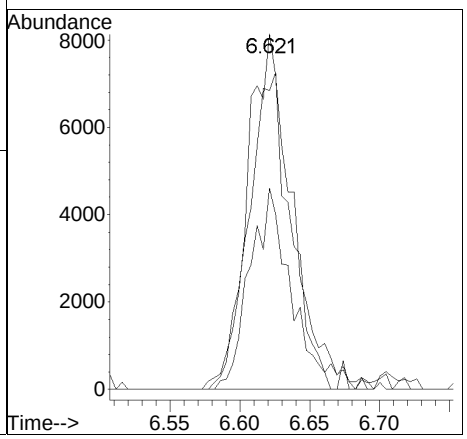


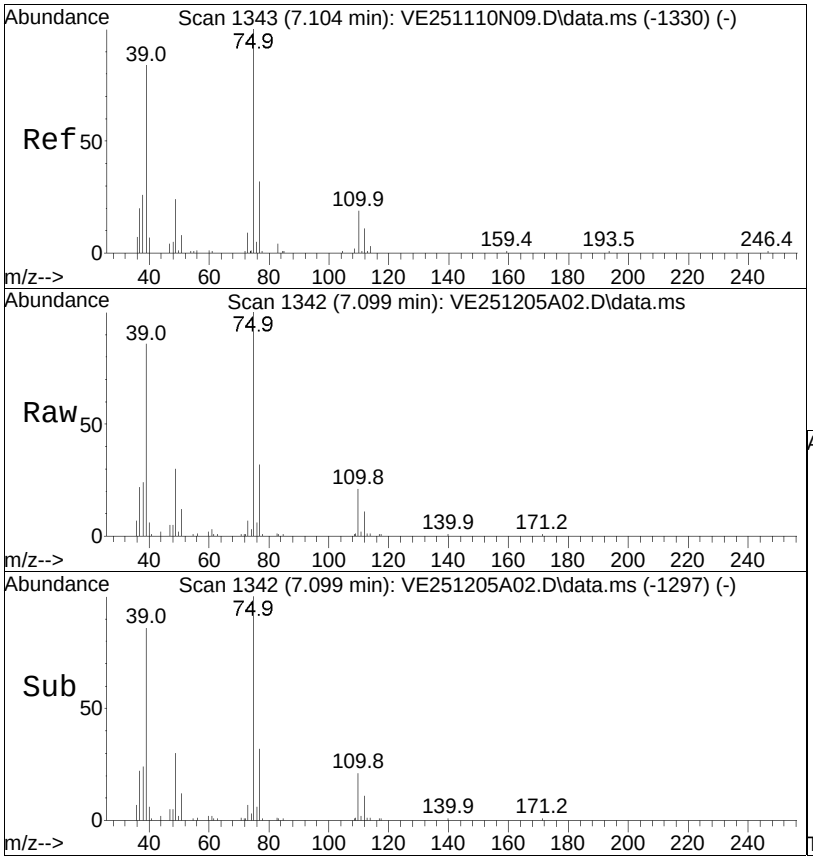


#61
1,4-Dioxane
Concen: 502.60 ug/L
RT: 6.621 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 88 Resp: 18193

Ion	Ratio	Lower	Upper
88	100		
58	86.1	76.1	114.1
43	50.6	41.8	62.8

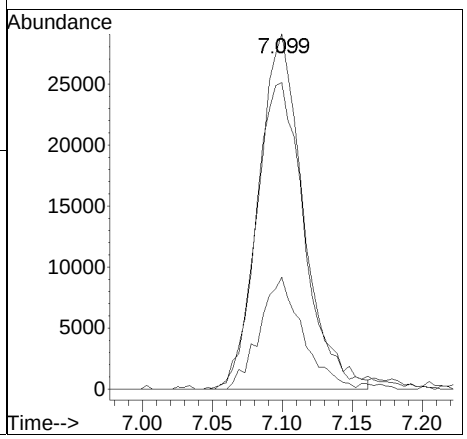


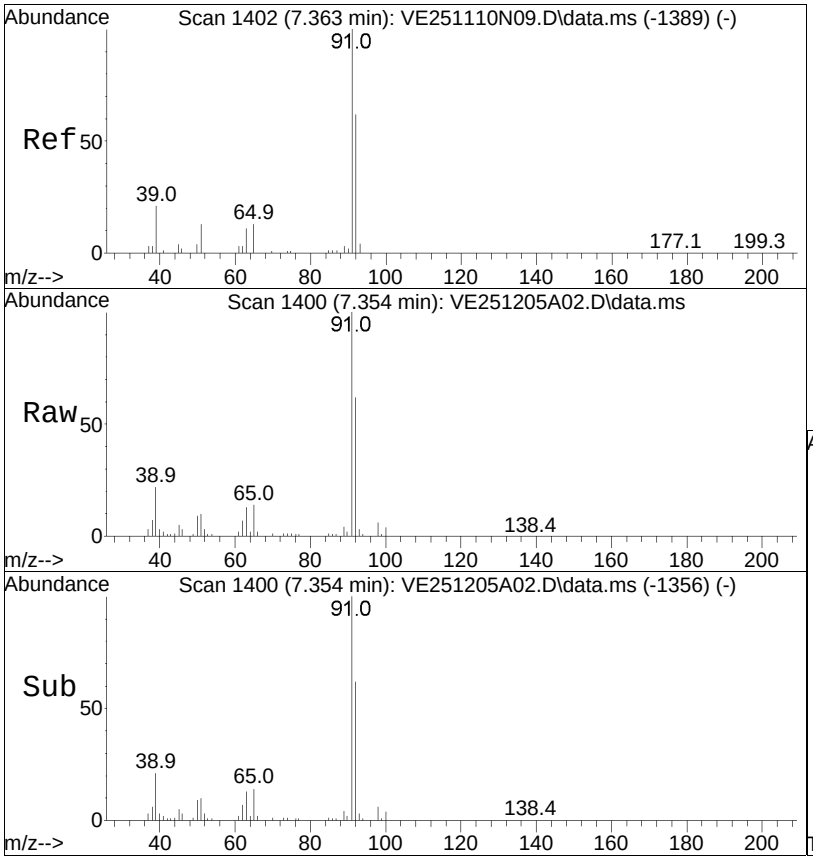


#62
cis-1,3-Dichloropropene
Concen: 9.12 ug/L
RT: 7.099 min Scan# 1342
Delta R.T. -0.005 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 75 Resp: 64939

Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.0	39.0
39	94.6	74.6	112.0

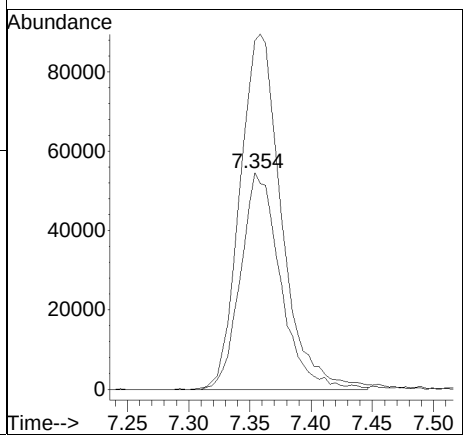


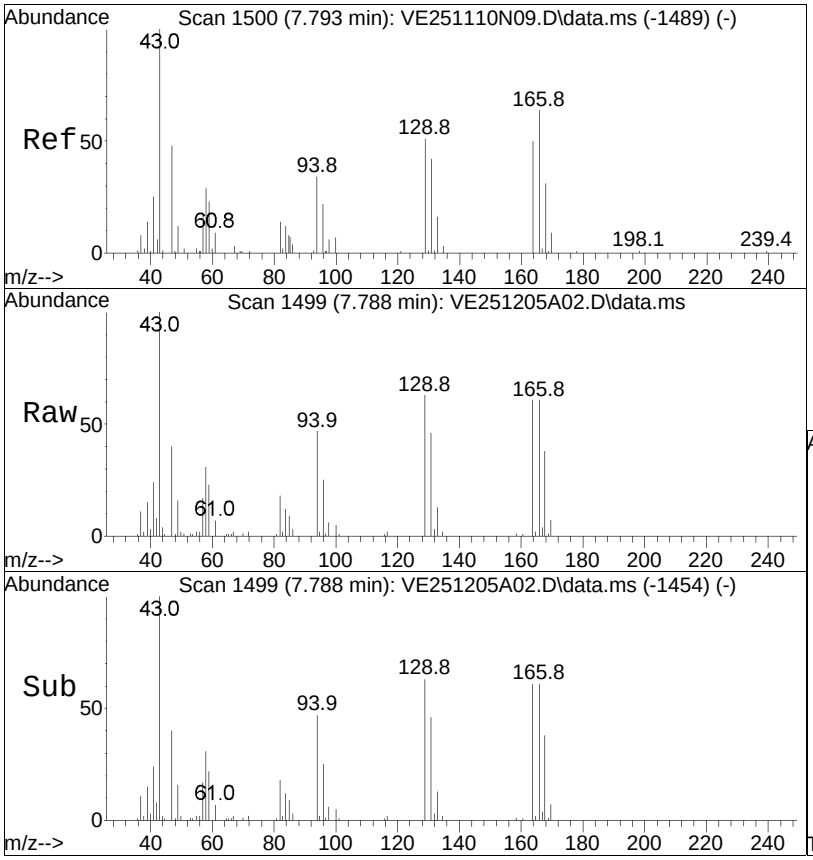


#65
Toluene
Concen: 9.66 ug/L
RT: 7.354 min Scan# 1400
Delta R.T. -0.009 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 92 Resp: 123646

Ion	Ratio	Lower	Upper
92	100		
91	172.2	136.4	204.6

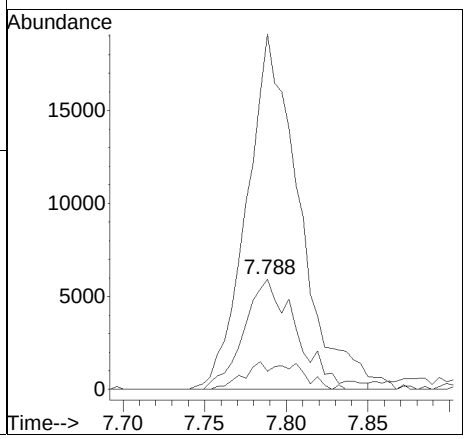


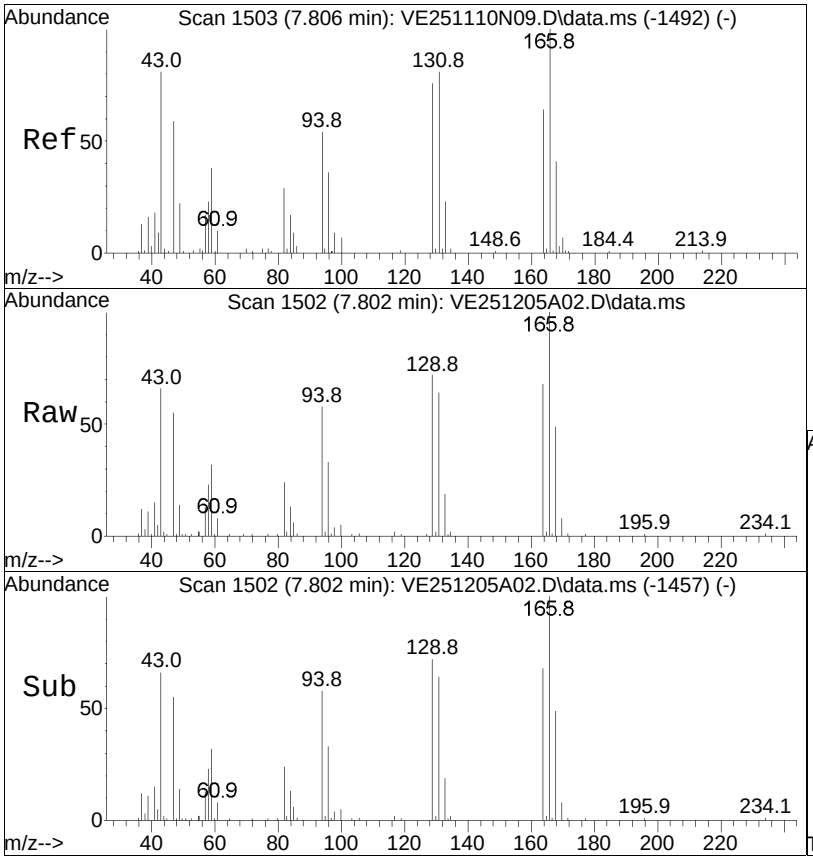


#66
4-Methyl-2-pentanone
Concen: 8.18 ug/L
RT: 7.788 min Scan# 1499
Delta R.T. -0.005 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 58 Resp: 13542

Ion	Ratio	Lower	Upper
58	100		
100	11.4	23.0	34.6#
43	318.5	270.1	405.1

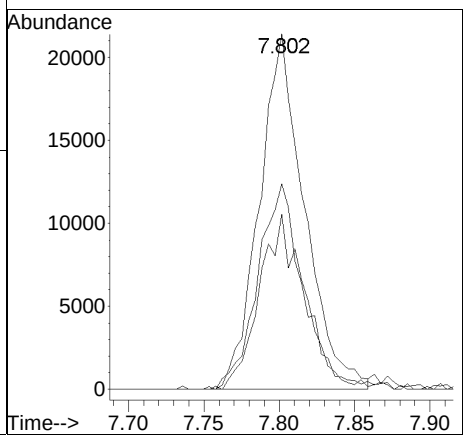


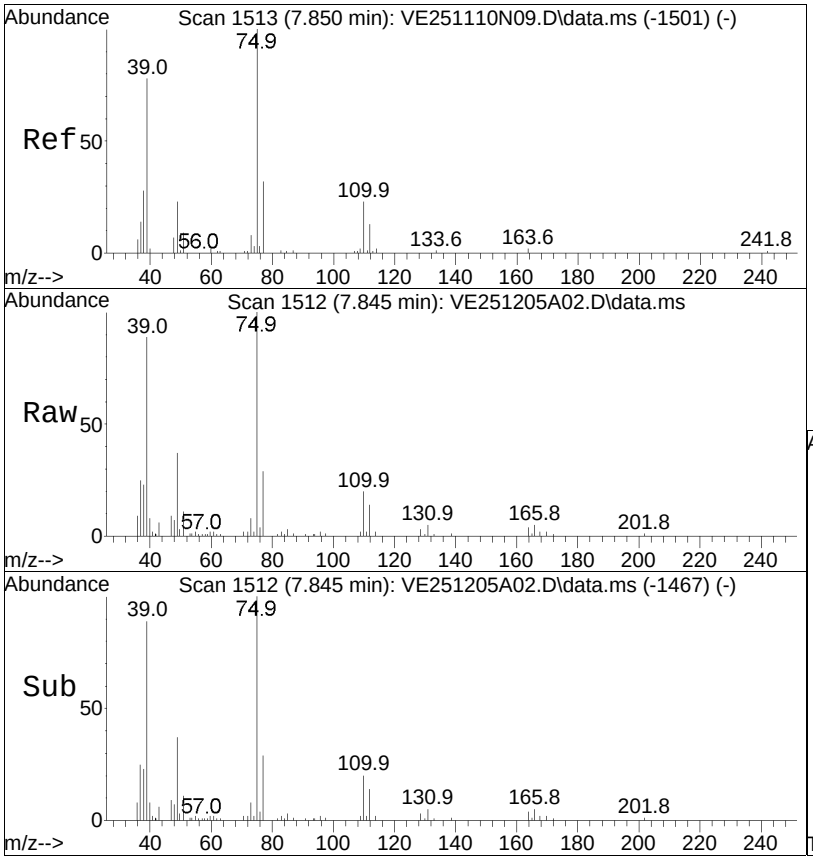


#67
Tetrachloroethene
Concen: 9.82 ug/L
RT: 7.802 min Scan# 1502
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:166 Resp: 44778

Ion	Ratio	Lower	Upper
166	100		
168	49.1	27.8	67.8
94	58.5	38.7	78.7

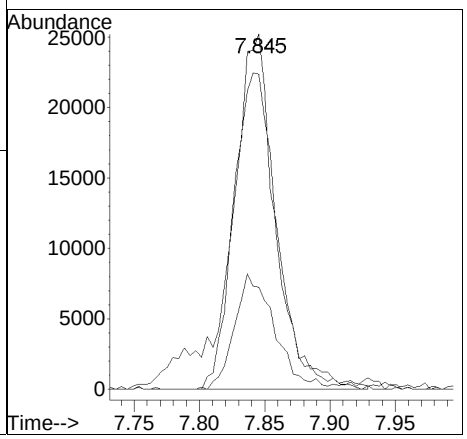


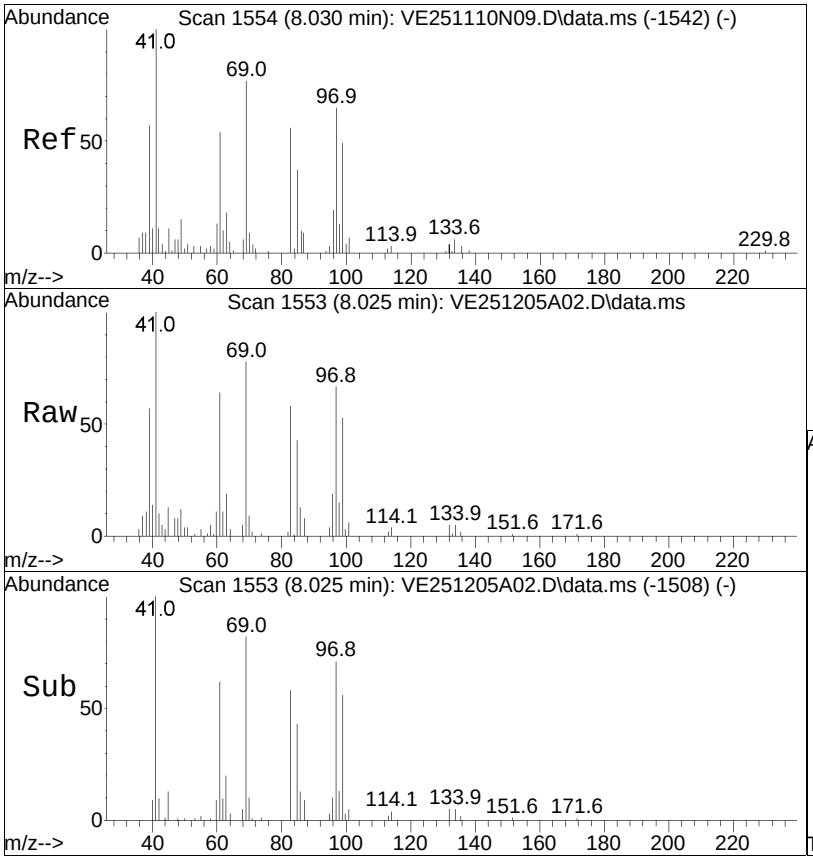


#69
trans-1,3-Dichloropropene
Concen: 7.19 ug/L
RT: 7.845 min Scan# 1512
Delta R.T. -0.005 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 75 Resp: 54857

Ion	Ratio	Lower	Upper
75	100		
77	32.0	10.9	50.9
39	96.6	68.1	108.1

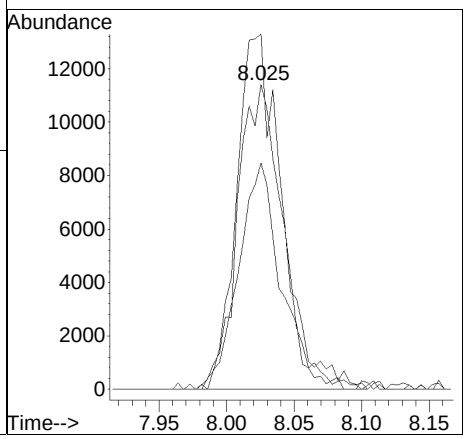


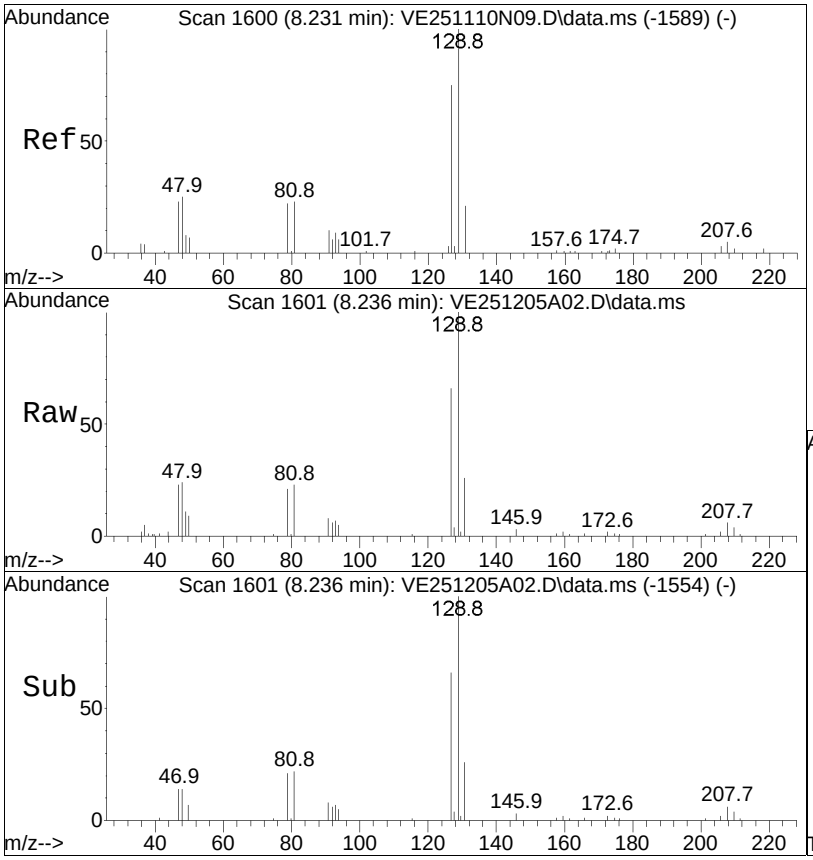


#72
1,1,2-Trichloroethane
Concen: 8.05 ug/L
RT: 8.025 min Scan# 1553
Delta R.T. -0.005 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 83 Resp: 26781

Ion	Ratio	Lower	Upper
83	100		
97	116.7	93.5	133.5
85	68.6	45.2	85.2

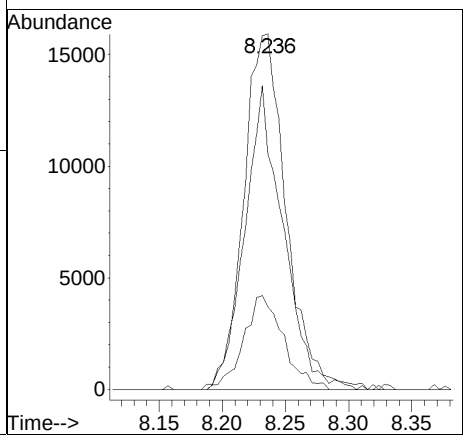


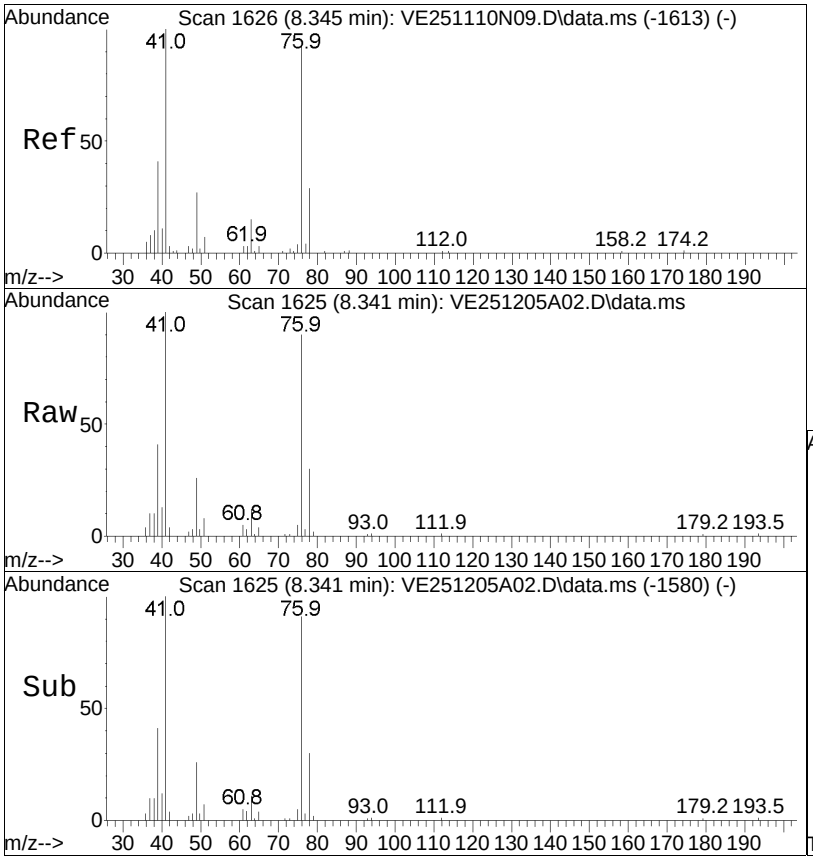


#73
Chlorodibromomethane
Concen: 8.29 ug/L
RT: 8.236 min Scan# 1601
Delta R.T. 0.005 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:129 Resp: 37135

Ion	Ratio	Lower	Upper
129	100		
81	24.9	4.8	44.8
127	77.4	56.3	96.3

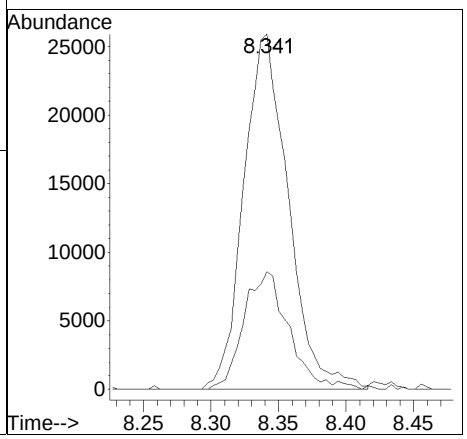


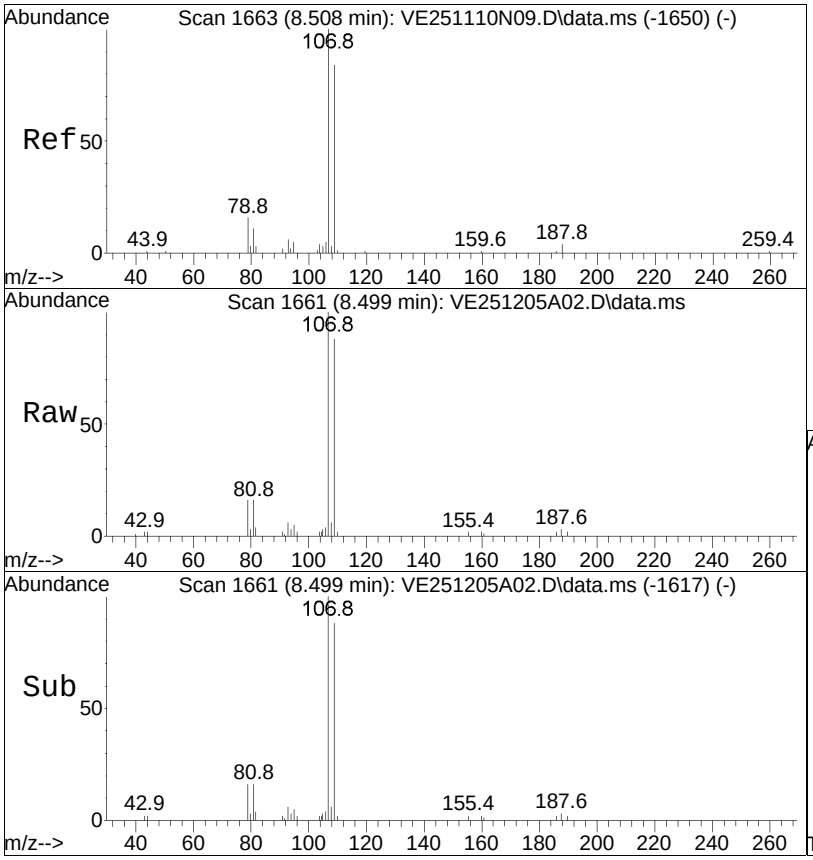


#74
1,3-Dichloropropane
Concen: 8.06 ug/L
RT: 8.341 min Scan# 1625
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 76 Resp: 59546

Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.2	39.4

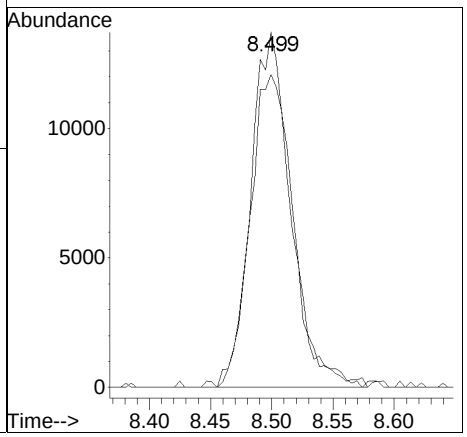


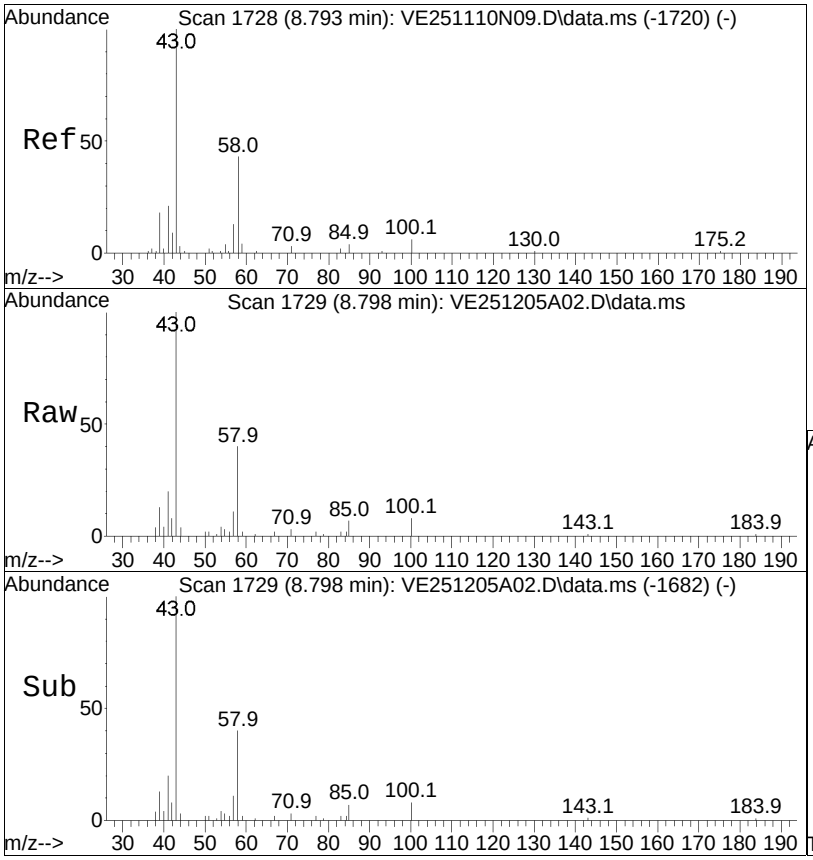


#75
1,2-Dibromoethane
Concen: 8.04 ug/L
RT: 8.499 min Scan# 1661
Delta R.T. -0.009 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:107 Resp: 31707

Ion	Ratio	Lower	Upper
107	100		
109	92.6	73.0	109.6

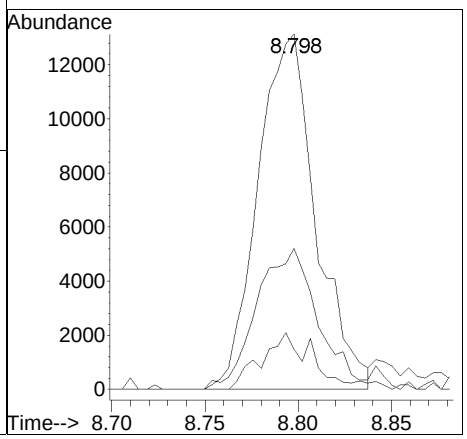


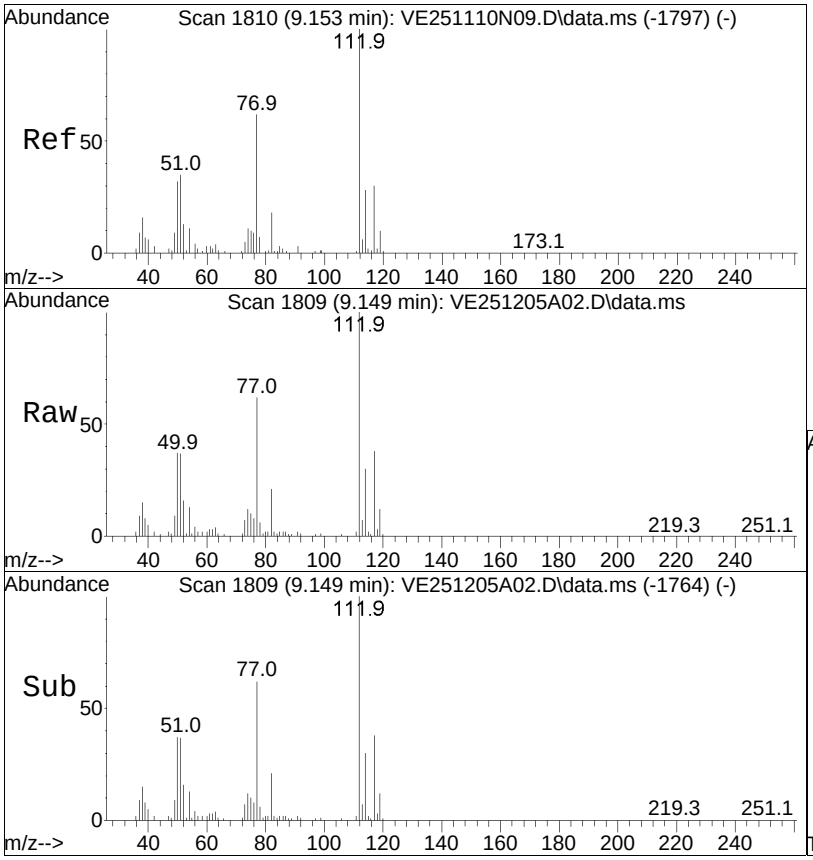


#77
2-Hexanone
Concen: 7.15 ug/L
RT: 8.798 min Scan# 1729
Delta R.T. 0.005 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 43 Resp: 28365

Ion	Ratio	Lower	Upper
43	100		
58	41.6	34.3	51.5
57	13.7	12.5	18.7

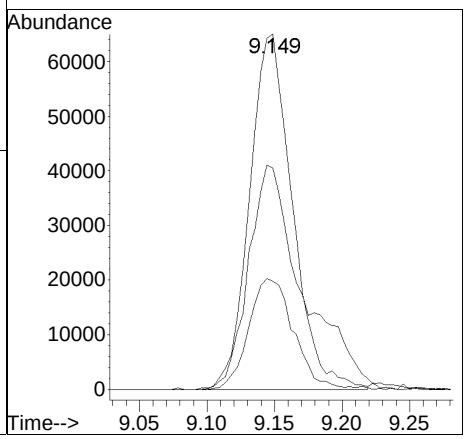


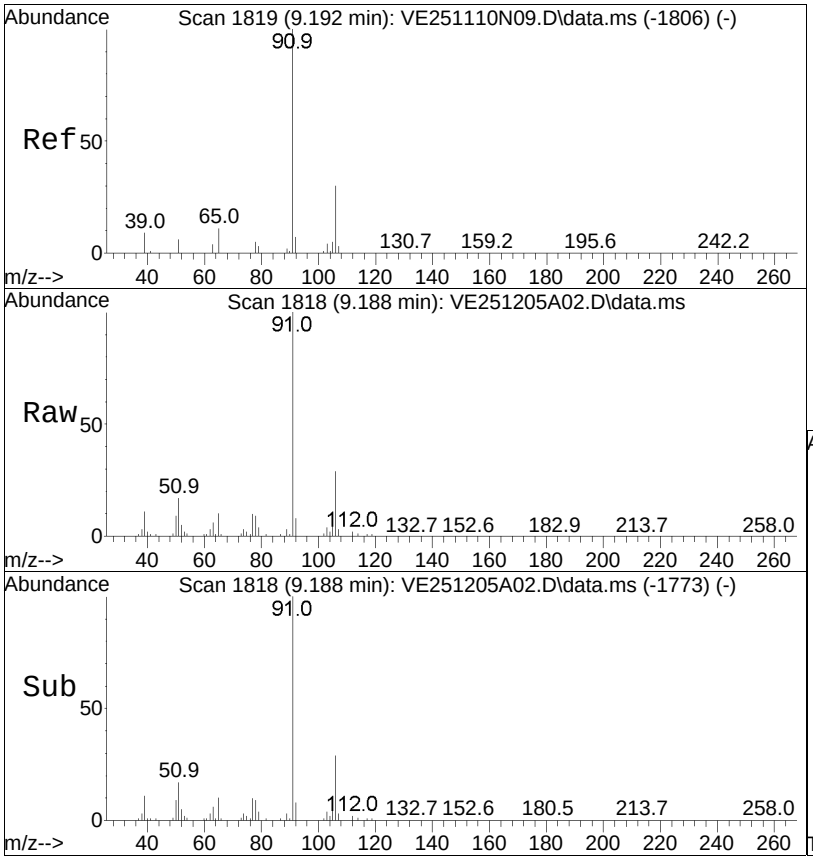


#78
Chlorobenzene
Concen: 9.98 ug/L
RT: 9.149 min Scan# 1809
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:112 Resp: 142972

Ion	Ratio	Lower	Upper
112	100		
77	81.4	67.3	100.9
114	32.9	25.6	38.4

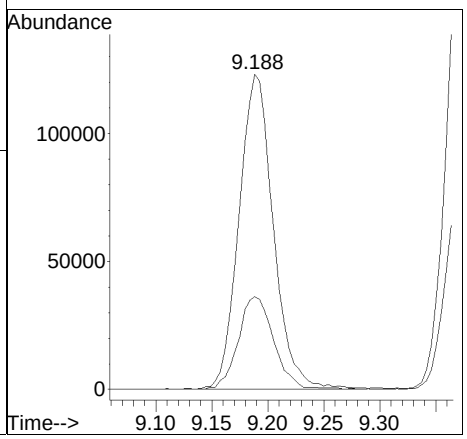


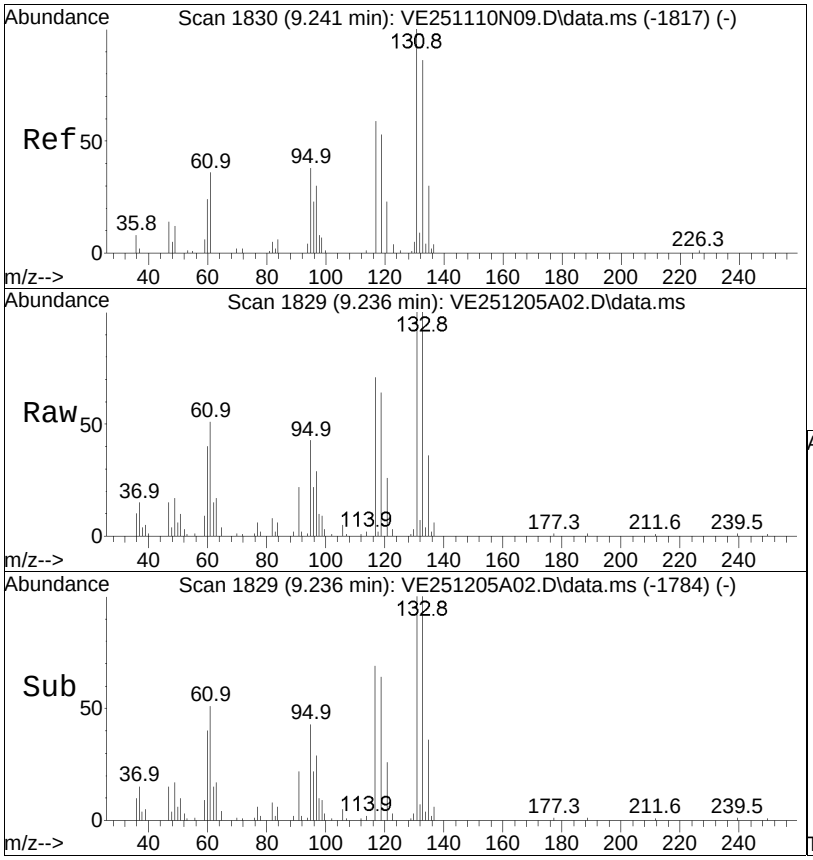


#79
Ethylbenzene
Concen: 9.79 ug/L
RT: 9.188 min Scan# 1818
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 91 Resp: 261677

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.4	35.0

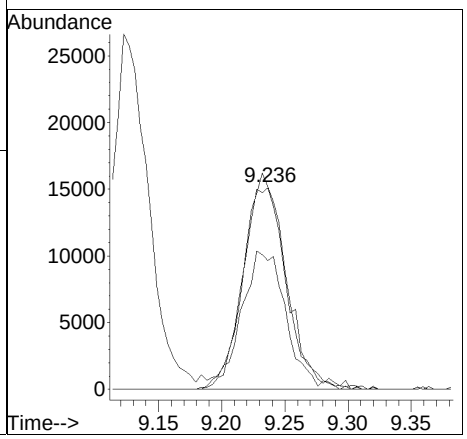


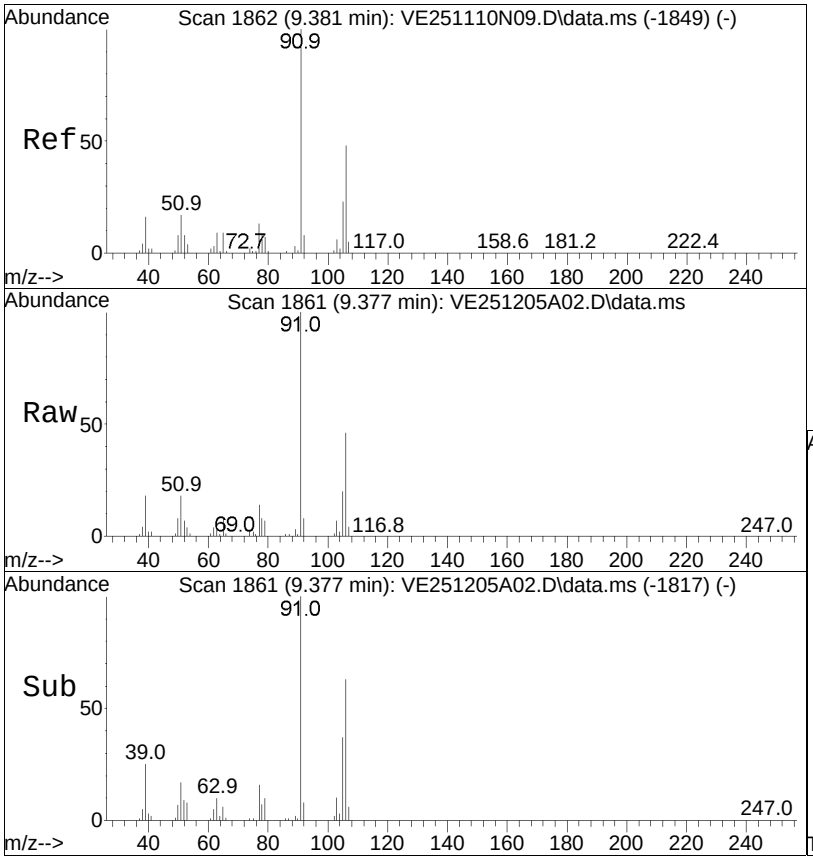


#80
1,1,1,2-Tetrachloroethane
Concen: 8.61 ug/L
RT: 9.236 min Scan# 1829
Delta R.T. -0.005 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:131 Resp: 37388

Ion	Ratio	Lower	Upper
131	100		
133	100.5	72.9	112.9
119	68.1	43.8	83.8

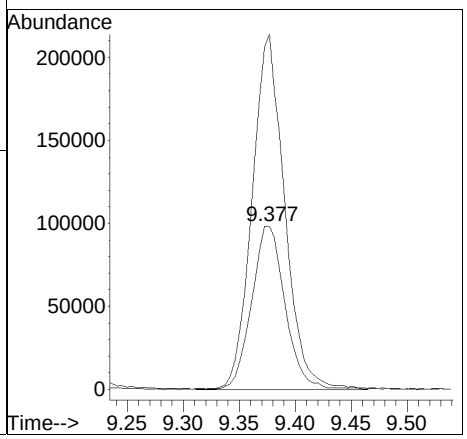


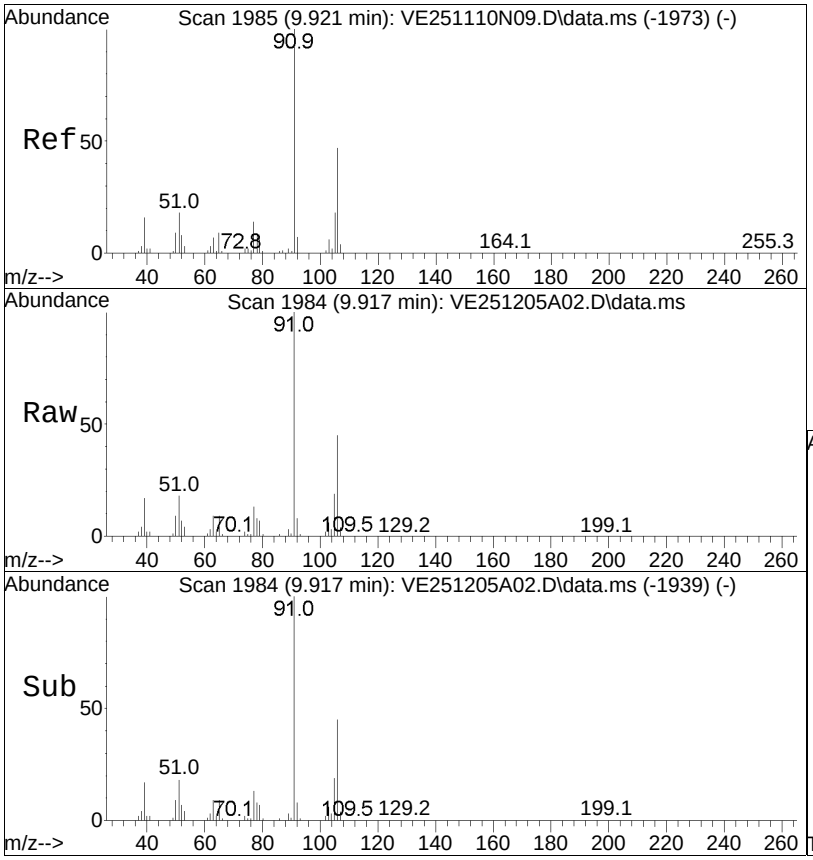


#81
p/m Xylene
Concen: 19.61 ug/L
RT: 9.377 min Scan# 1861
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:106 Resp: 204834

Ion	Ratio	Lower	Upper
106	100		
91	209.1	165.2	247.8

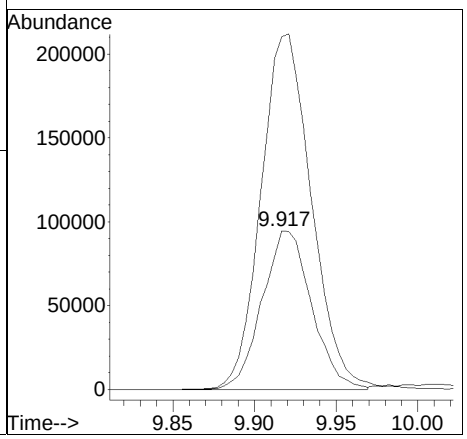


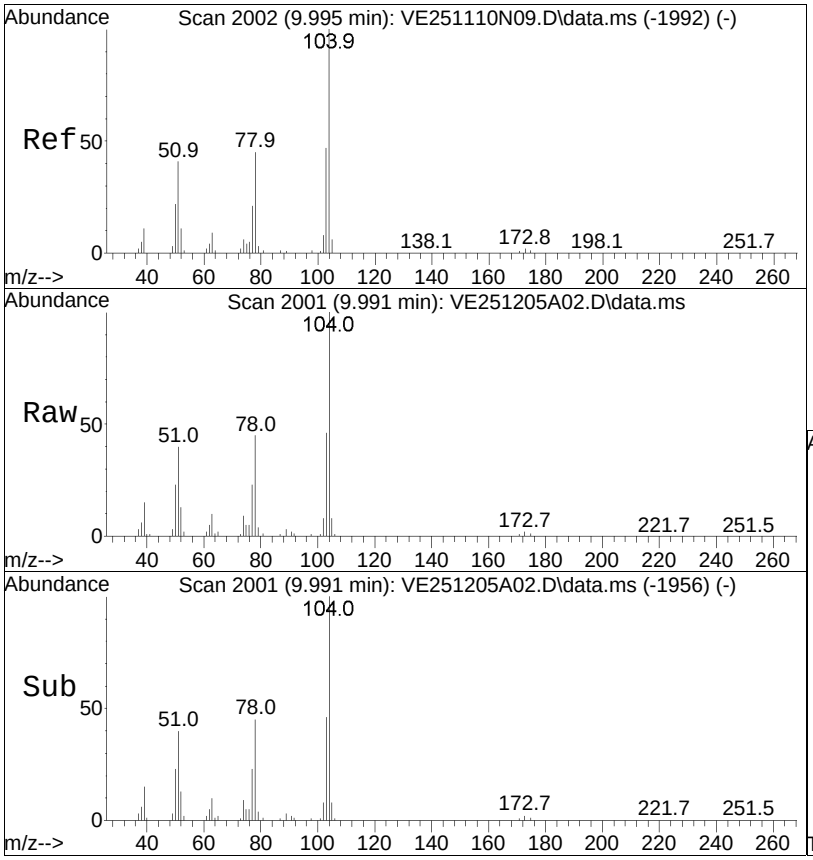


#82
o Xylene
Concen: 19.25 ug/L
RT: 9.917 min Scan# 1984
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:106 Resp: 199205

Ion	Ratio	Lower	Upper
106	100		
91	228.8	181.8	272.8

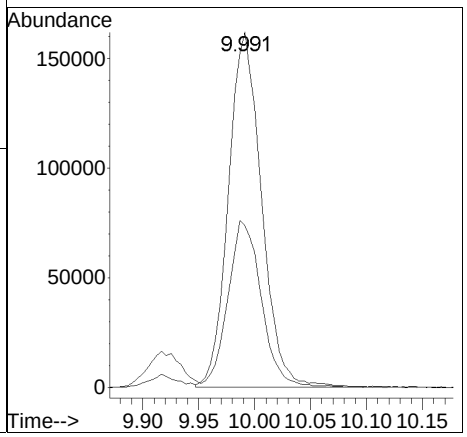


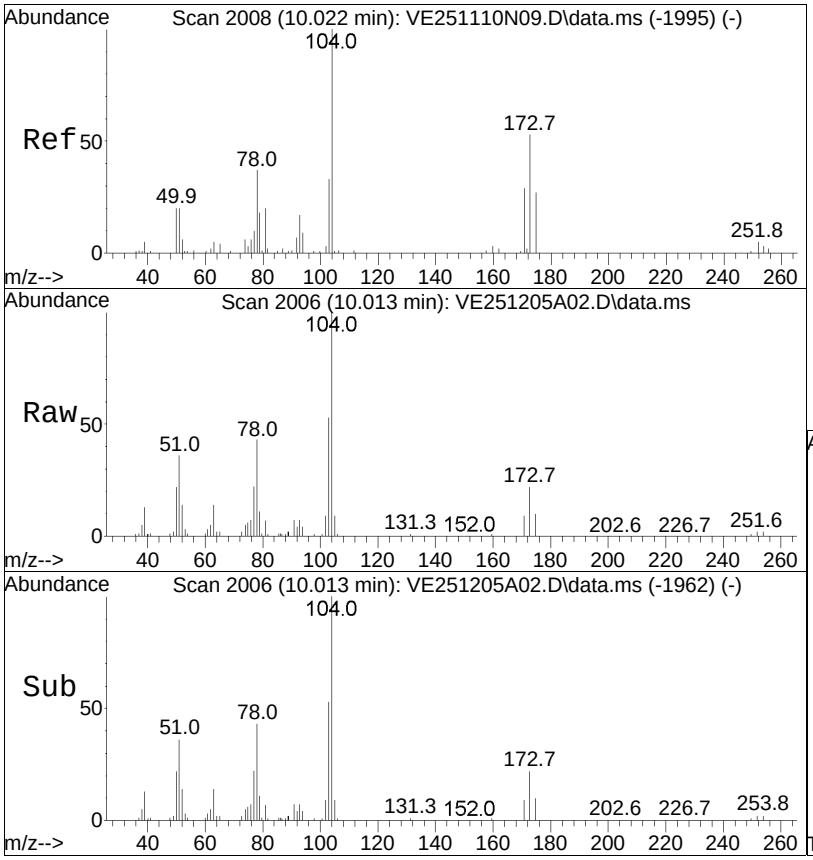


#83
Styrene
Concen: 18.41 ug/L
RT: 9.991 min Scan# 2001
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:104 Resp: 332761

Ion	Ratio	Lower	Upper
104	100		
78	46.4	37.1	55.7

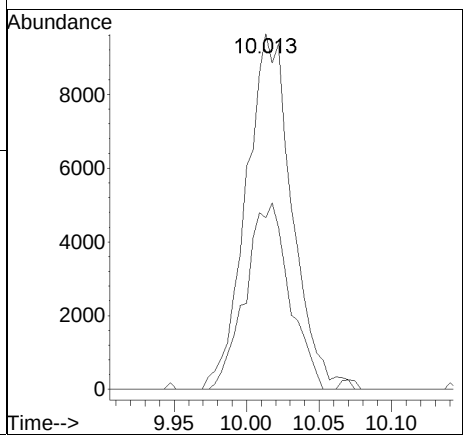


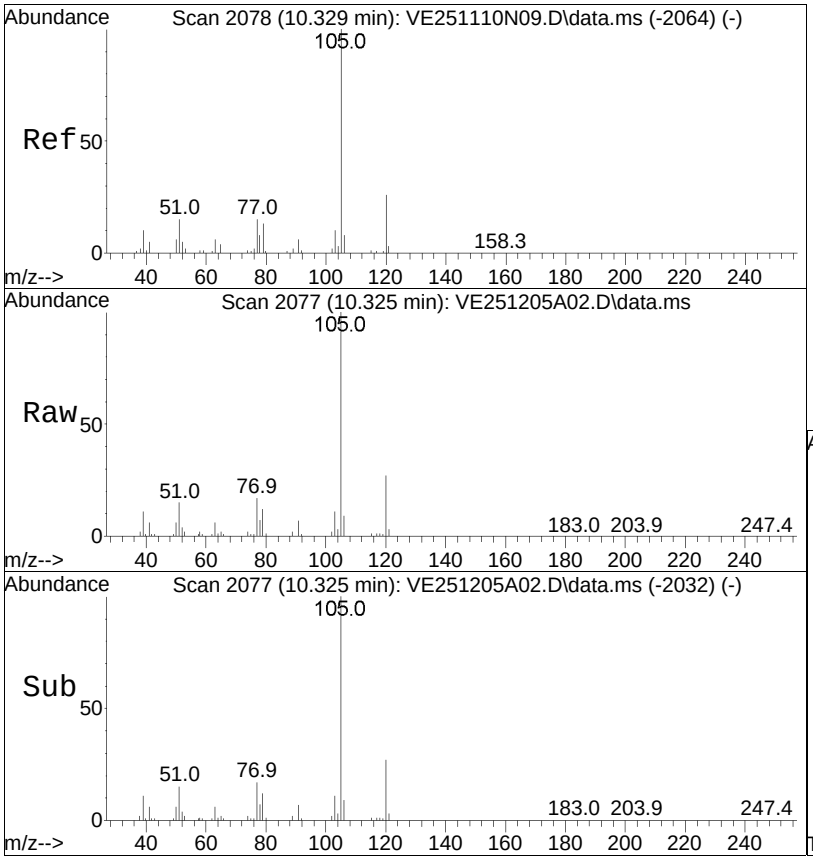


#85
Bromoform
Concen: 7.40 ug/L
RT: 10.013 min Scan# 2006
Delta R.T. -0.009 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:173 Resp: 21328

Ion	Ratio	Lower	Upper
173	100		
175	50.1	29.9	69.9

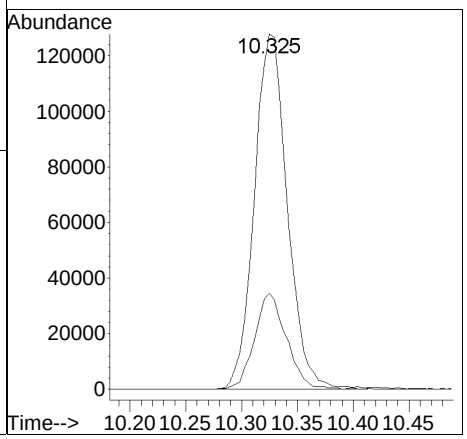


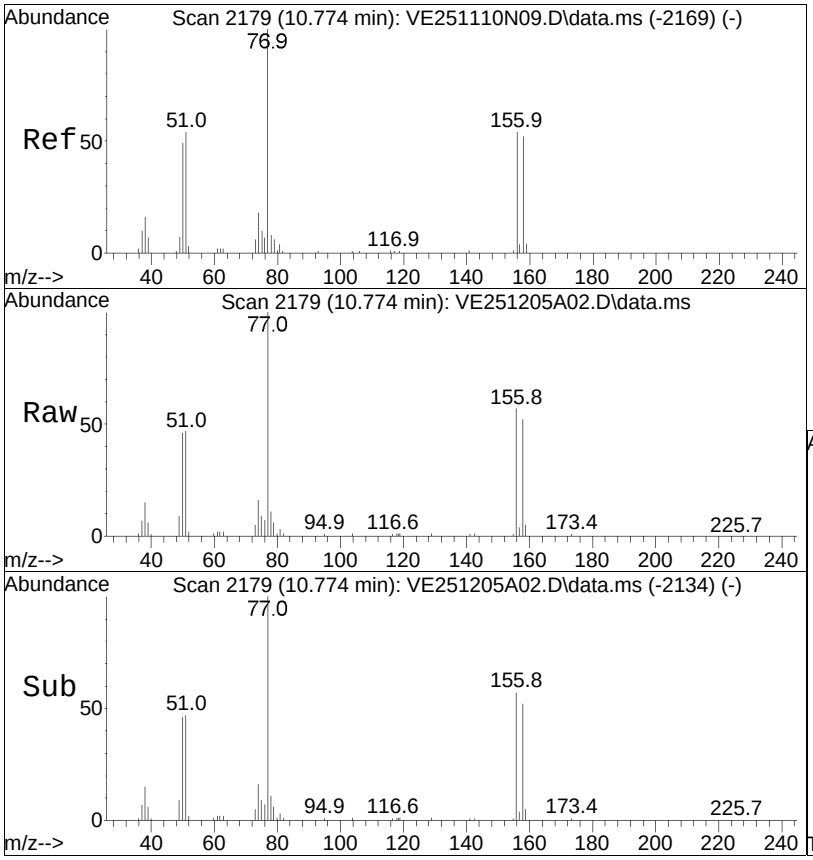


#87
Isopropylbenzene
Concen: 8.94 ug/L
RT: 10.325 min Scan# 2077
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:105 Resp: 262994

Ion	Ratio	Lower	Upper
105	100		
120	26.1	5.0	45.0

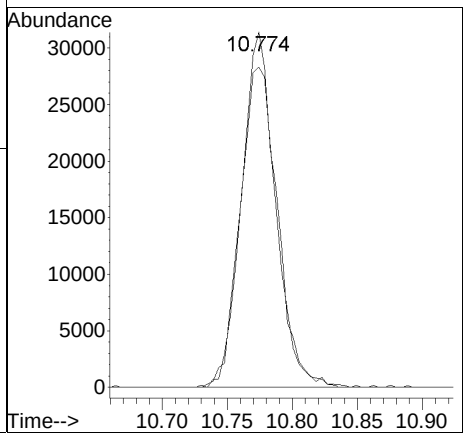


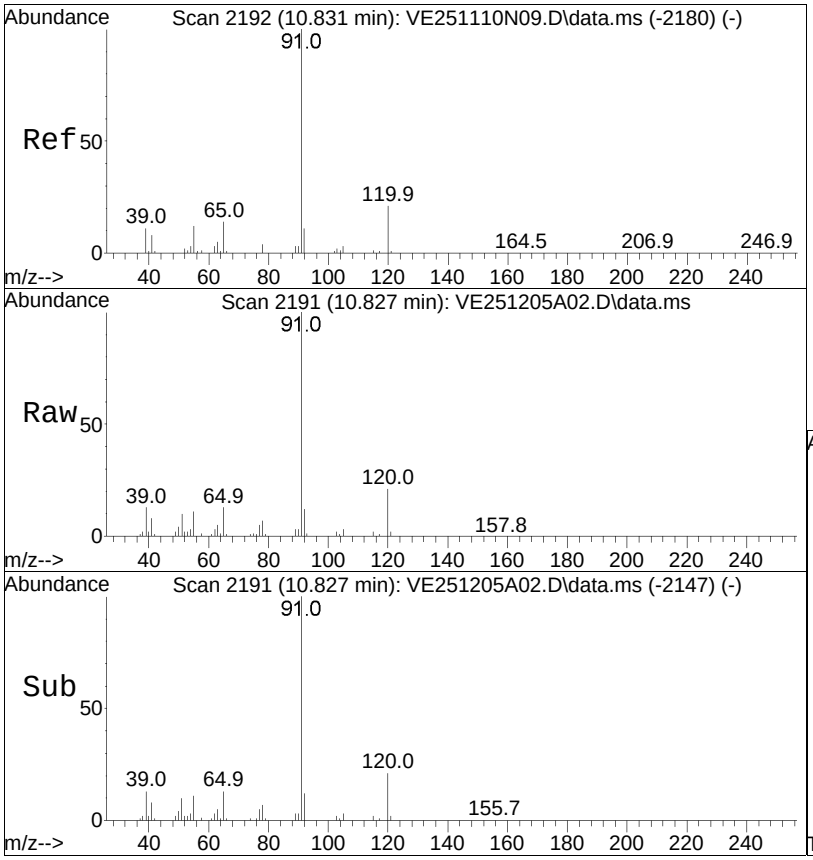


#89
Bromobenzene
Concen: 9.59 ug/L
RT: 10.774 min Scan# 2179
Delta R.T. 0.000 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:156 Resp: 58586

Ion	Ratio	Lower	Upper
156	100		
158	94.5	79.0	118.4

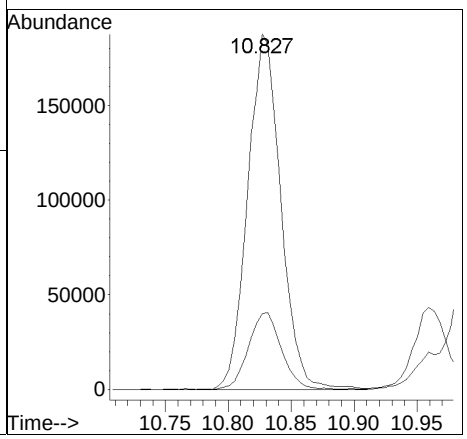


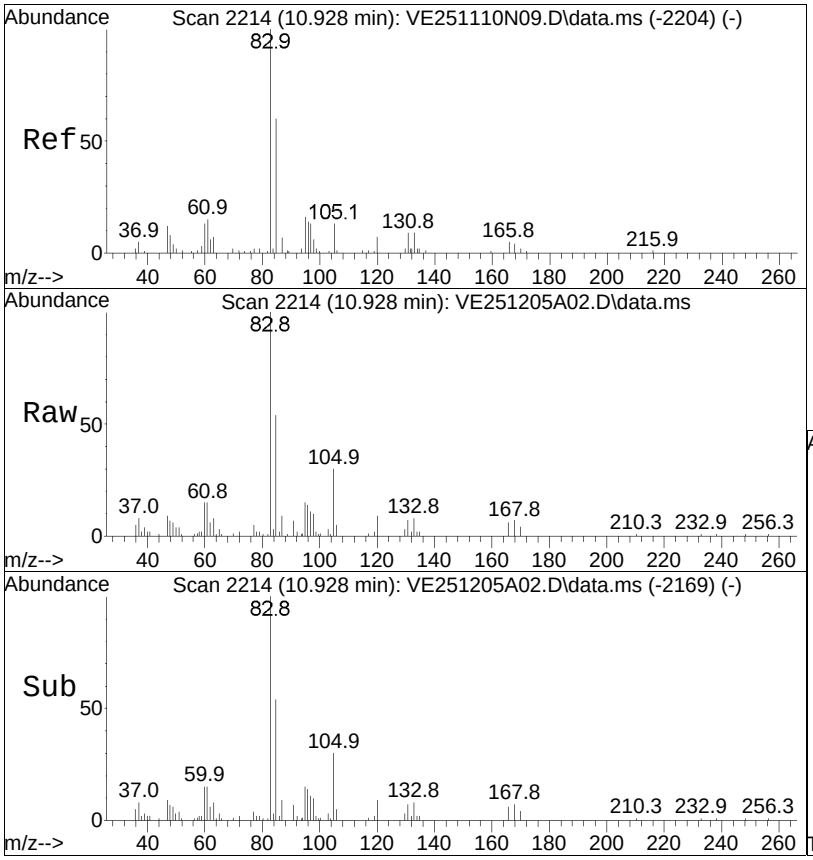


#90
n-Propylbenzene
Concen: 9.27 ug/L
RT: 10.827 min Scan# 2191
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 91 Resp: 343436

Ion	Ratio	Lower	Upper
91	100		
120	21.6	16.7	25.1

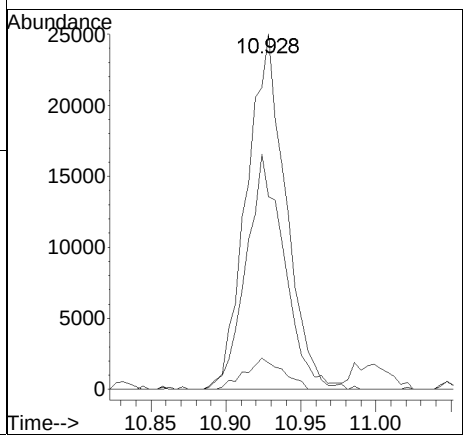


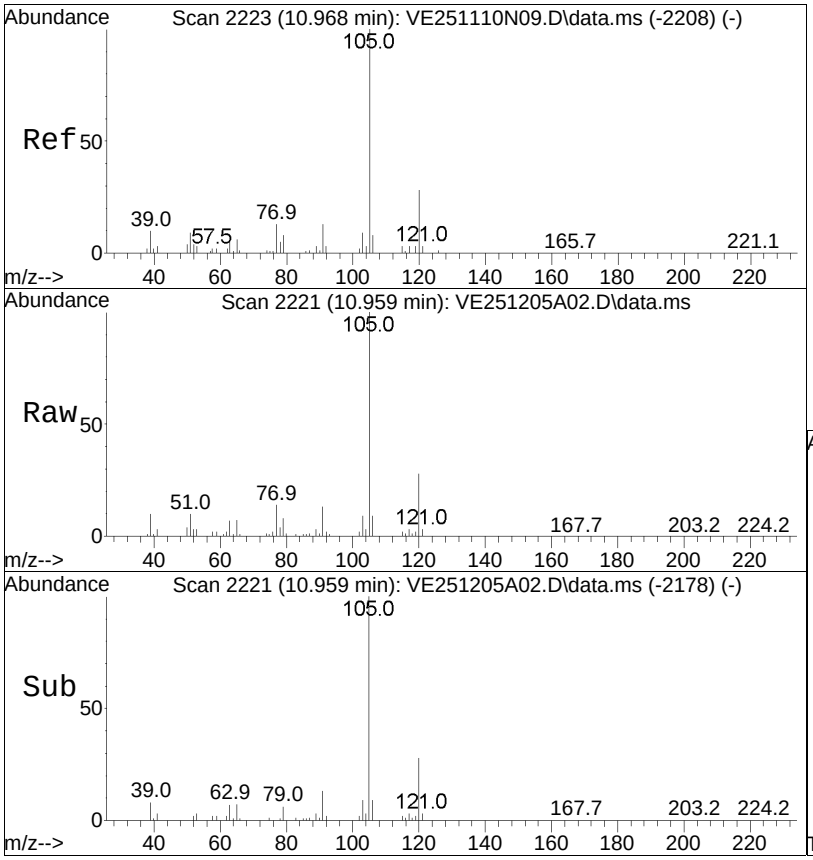


#92
1,1,2,2-Tetrachloroethane
Concen: 8.16 ug/L
RT: 10.928 min Scan# 2214
Delta R.T. 0.000 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 83 Resp: 45302

Ion	Ratio	Lower	Upper
83	100		
131	8.6	0.0	28.3
85	64.9	43.6	83.6

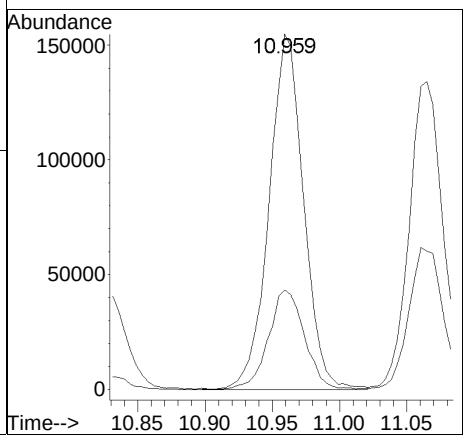


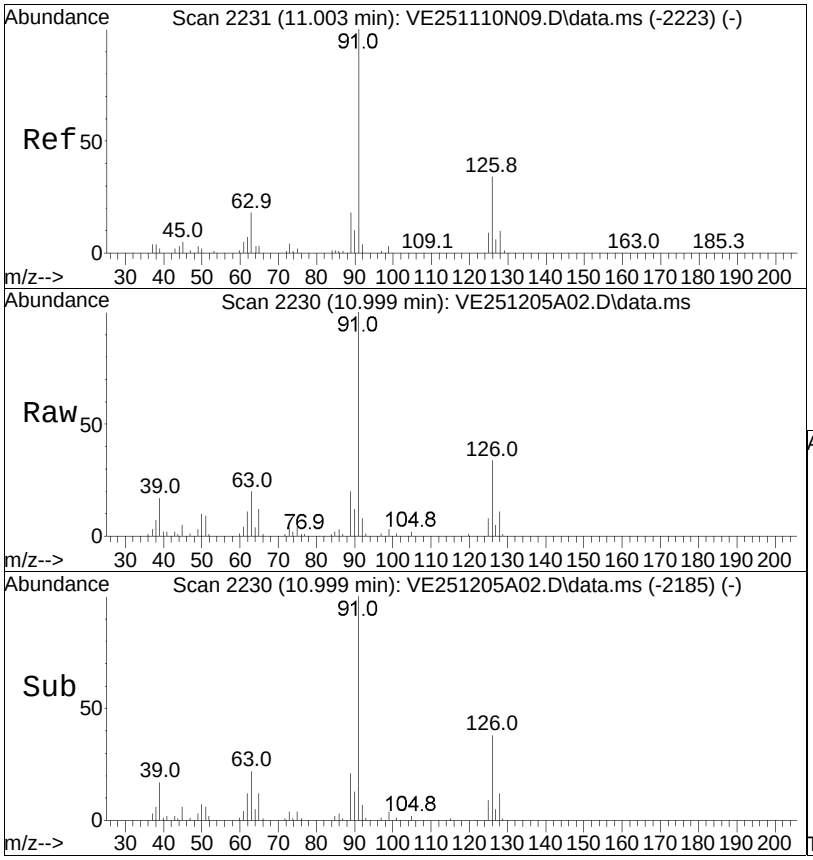


#93
4-Ethyltoluene
Concen: 9.55 ug/L
RT: 10.959 min Scan# 2221
Delta R.T. -0.009 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:105 Resp: 276223

Ion	Ratio	Lower	Upper
105	100		
120	29.0	18.7	38.7

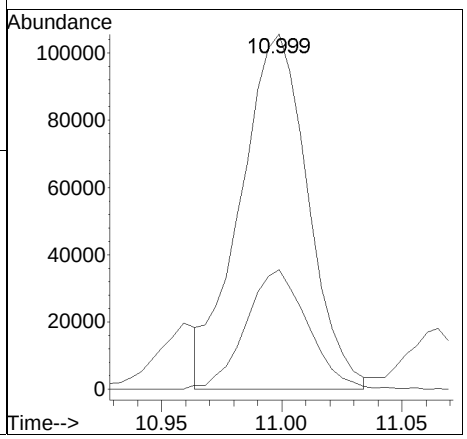


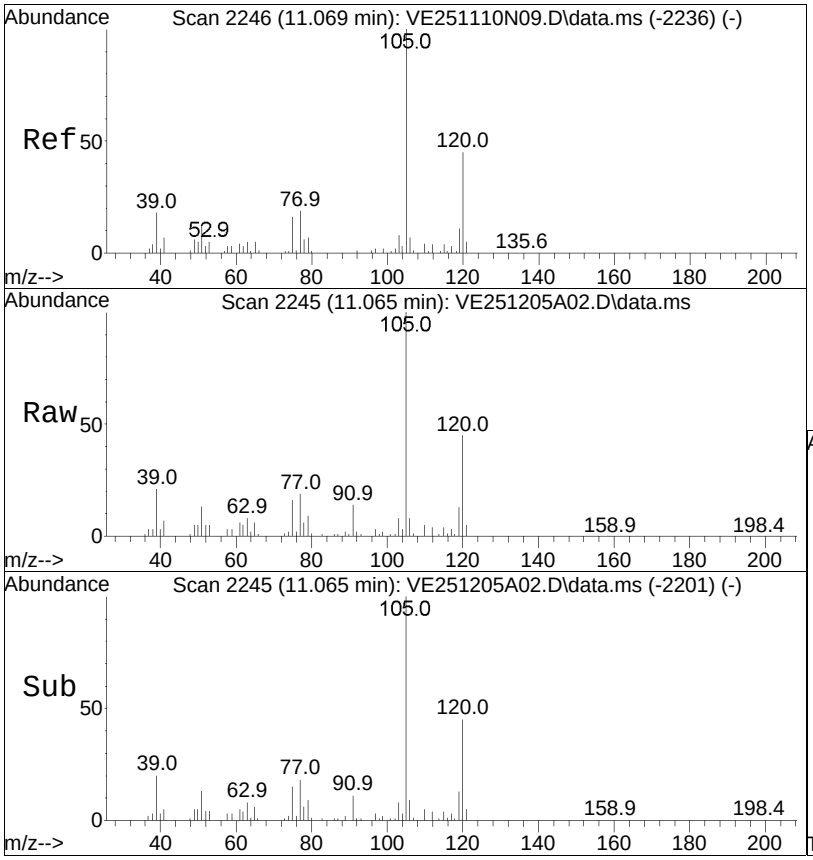


#94
2-Chlorotoluene
Concen: 9.25 ug/L M6
RT: 10.999 min Scan# 2230
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 91 Resp: 206694

Ion	Ratio	Lower	Upper
91	100		
126	31.0	23.2	34.8

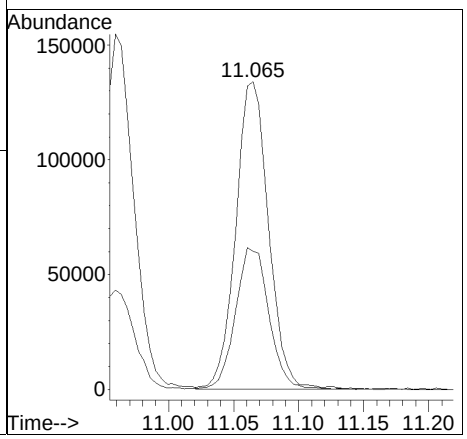


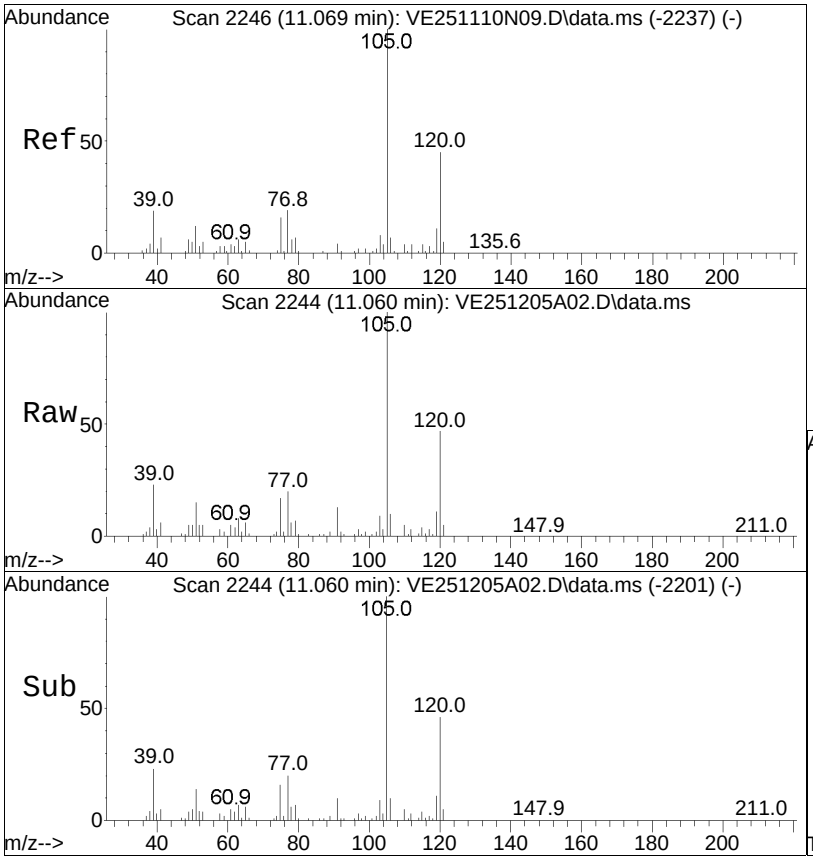


#95
1,3,5-Trimethylbenzene
Concen: 9.07 ug/L
RT: 11.065 min Scan# 2245
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:105 Resp: 234991

Ion	Ratio	Lower	Upper
105	100		
120	46.6	37.2	55.8

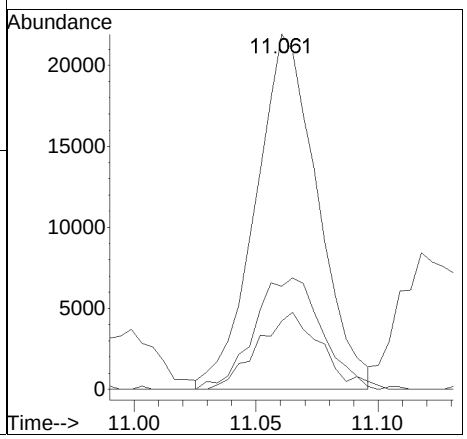


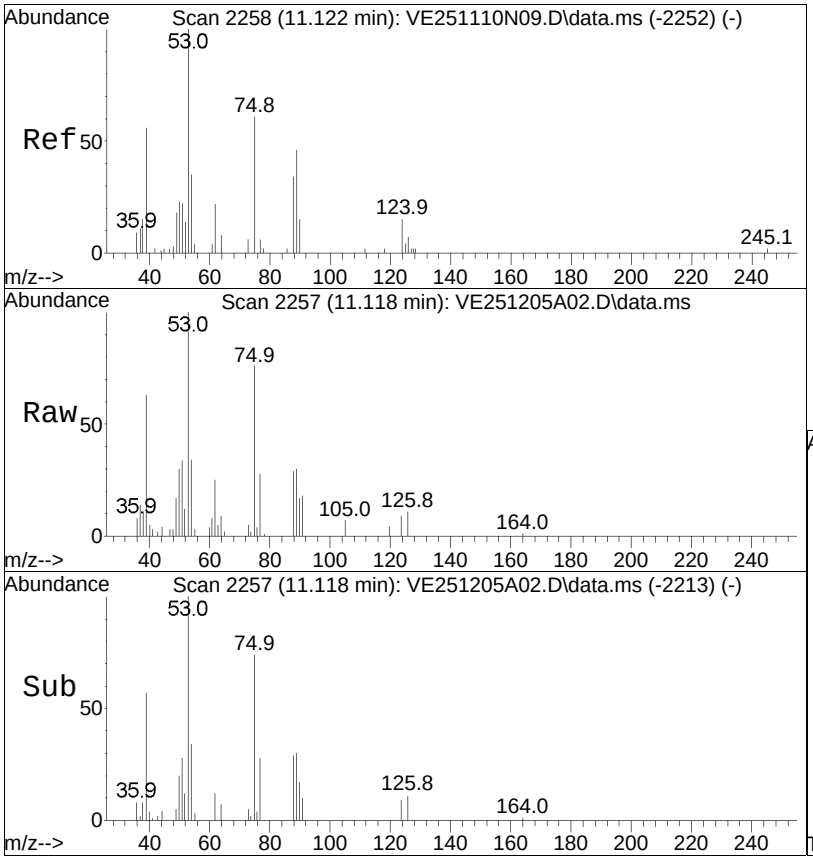


#96
1,2,3-Trichloropropane
Concen: 7.84 ug/L
RT: 11.060 min Scan# 2244
Delta R.T. -0.009 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 75 Resp: 38713

Ion	Ratio	Lower	Upper
75	100		
110	34.7	21.1	43.9
112	22.0	13.7	28.5

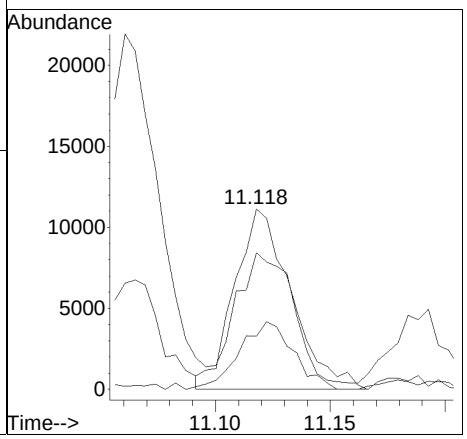


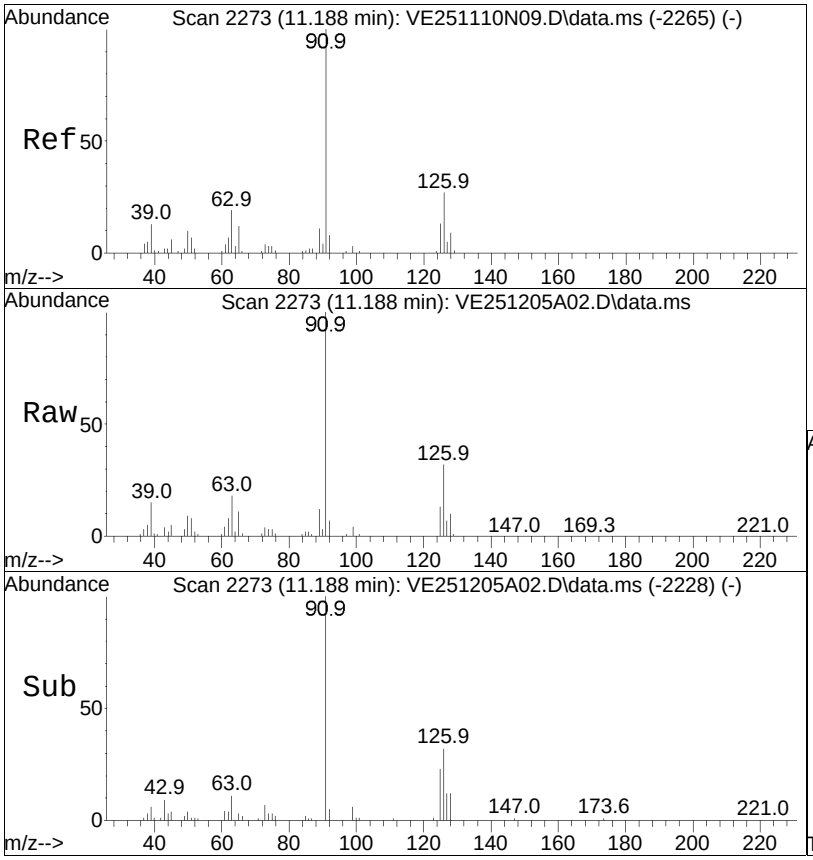


#97
trans-1,4-Dichloro-2-butene
Concen: 7.65 ug/L
RT: 11.118 min Scan# 2257
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 53 Resp: 19130

Ion	Ratio	Lower	Upper
53	100		
88	35.8	27.4	41.0
75	78.8	57.7	86.5

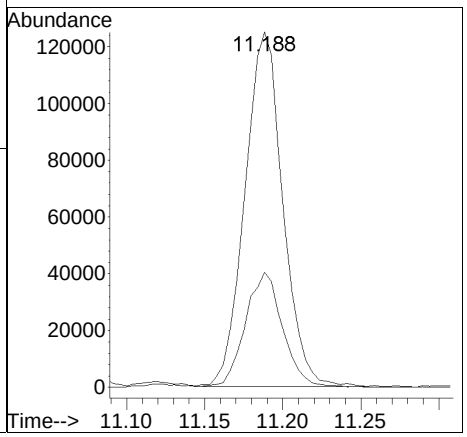


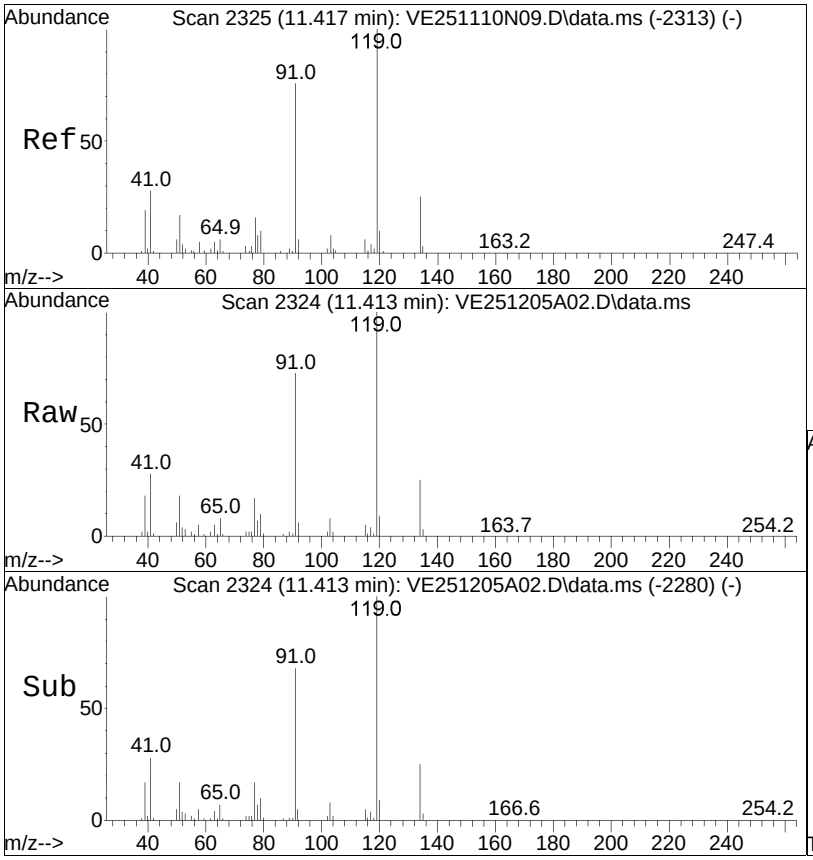


#98
4-Chlorotoluene
Concen: 9.34 ug/L
RT: 11.188 min Scan# 2273
Delta R.T. 0.000 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 91 Resp: 210963

Ion	Ratio	Lower	Upper
91	100		
126	32.2	24.7	37.1

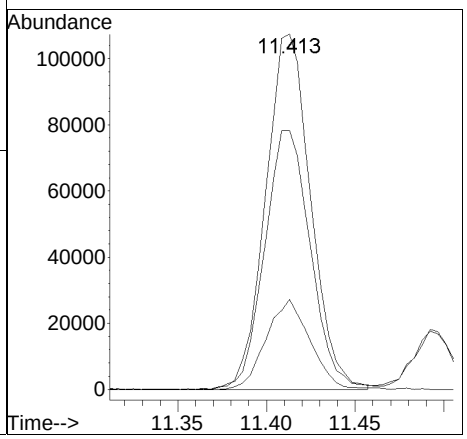


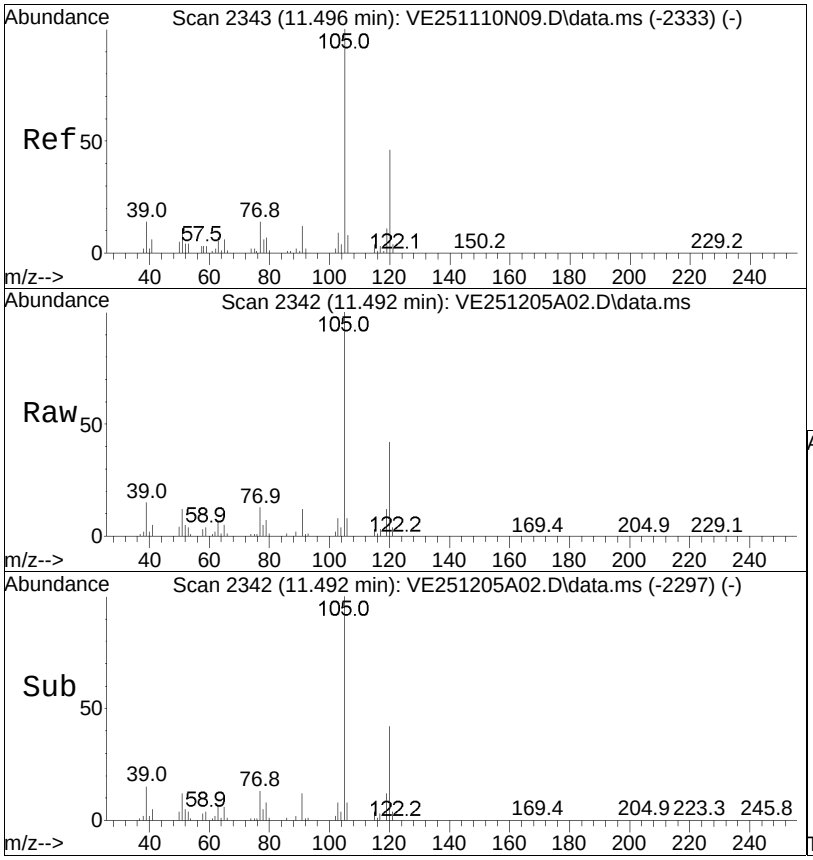


#99
tert-Butylbenzene
Concen: 9.01 ug/L
RT: 11.413 min Scan# 2324
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:119 Resp: 189225

Ion	Ratio	Lower	Upper
119	100		
91	74.5	59.3	88.9
134	24.8	19.4	29.2

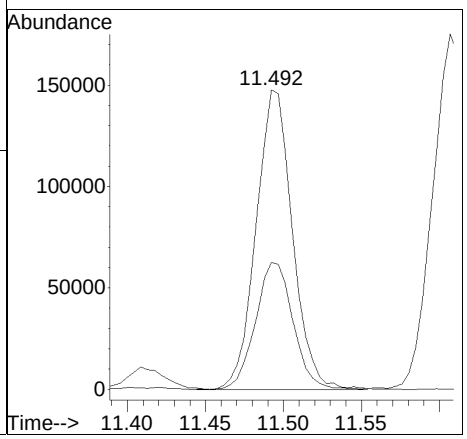


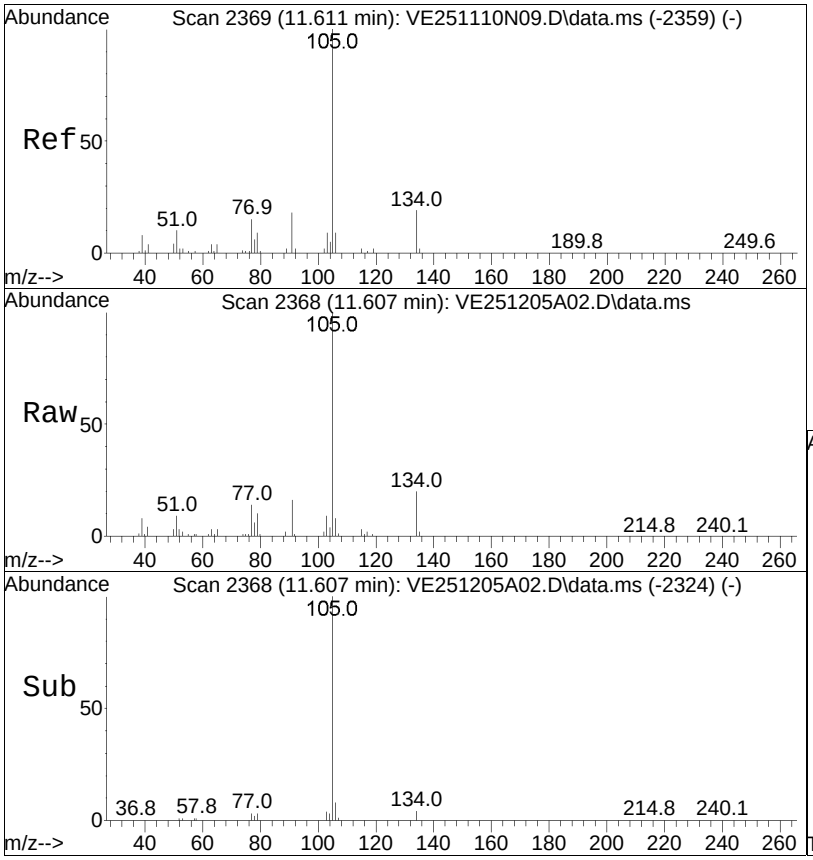


#102
1,2,4-Trimethylbenzene
Concen: 9.25 ug/L
RT: 11.492 min Scan# 2342
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:105 Resp: 239035

Ion	Ratio	Lower	Upper
105	100		
120	43.8	35.9	53.9

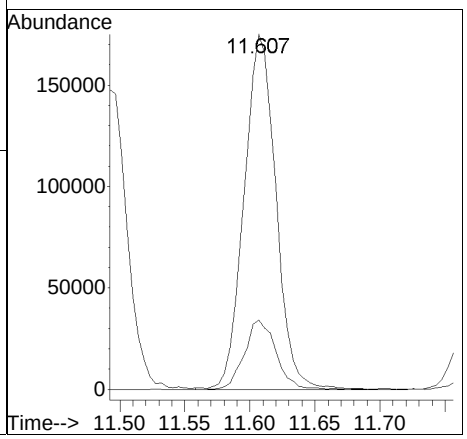


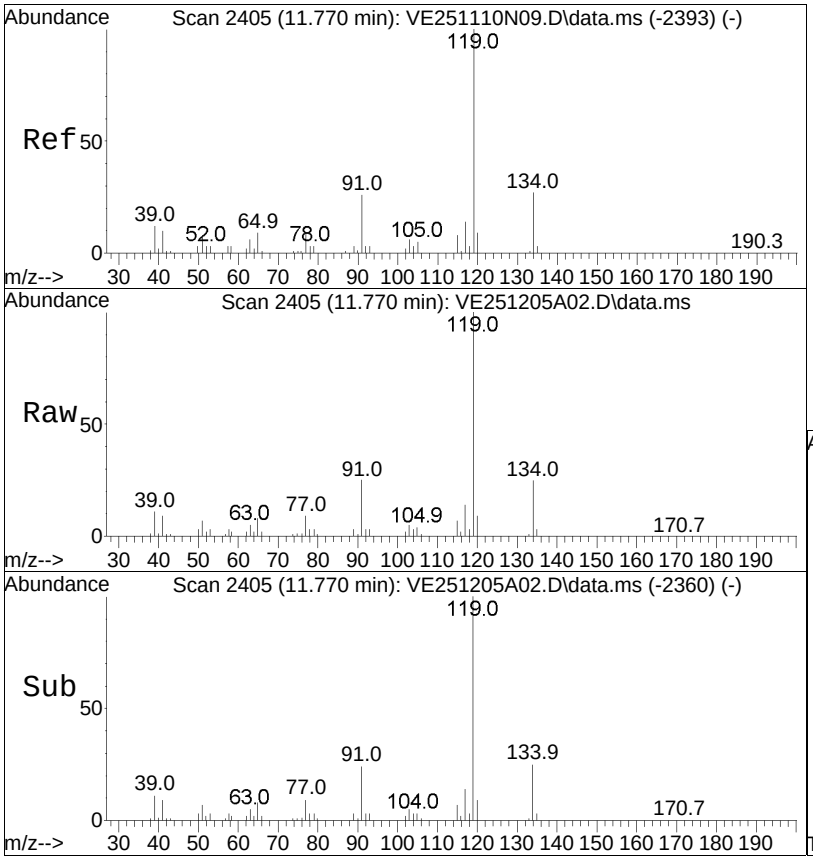


#103
sec-Butylbenzene
Concen: 9.27 ug/L
RT: 11.607 min Scan# 2368
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:105 Resp: 298159

Ion	Ratio	Lower	Upper
105	100		
134	19.3	12.2	25.2

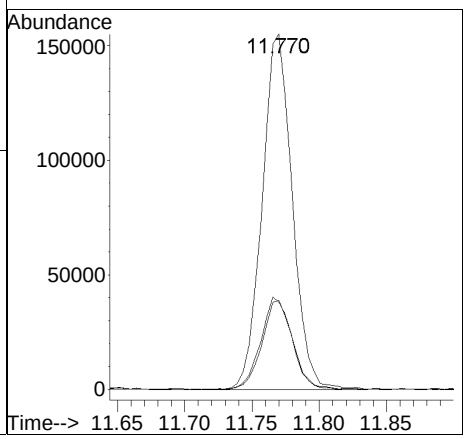


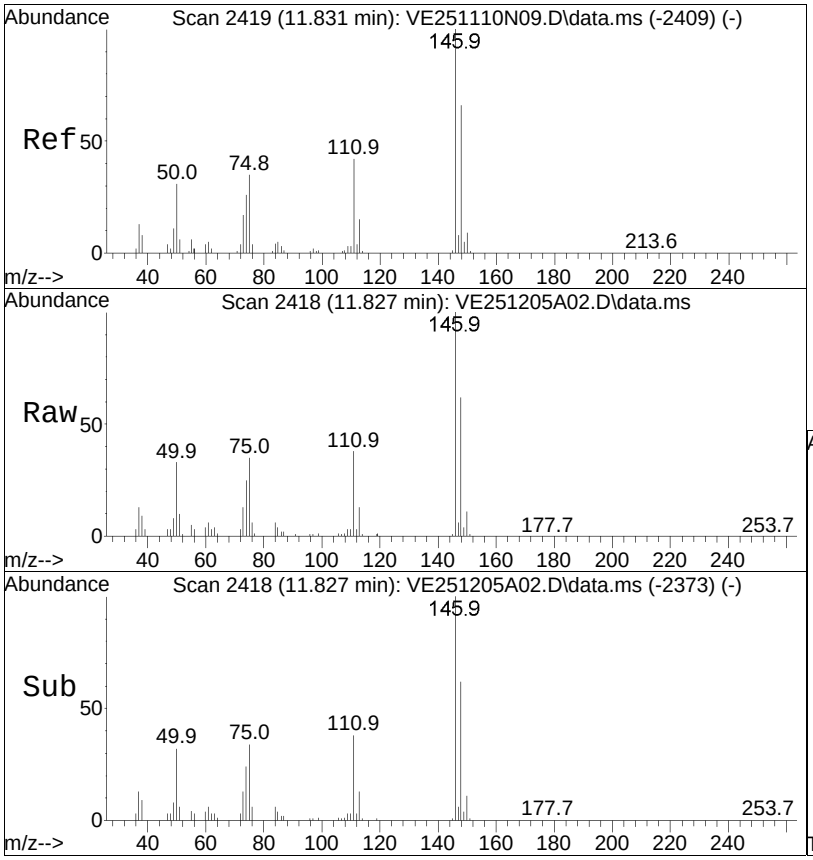


#104
p-Isopropyltoluene
Concen: 8.98 ug/L
RT: 11.770 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:119 Resp: 241959

Ion	Ratio	Lower	Upper
119	100		
134	25.4	16.8	34.8
91	26.9	18.0	37.4

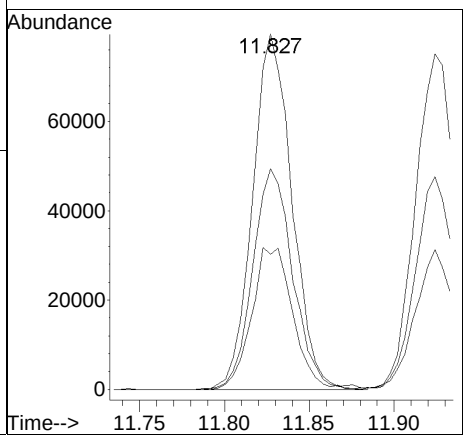


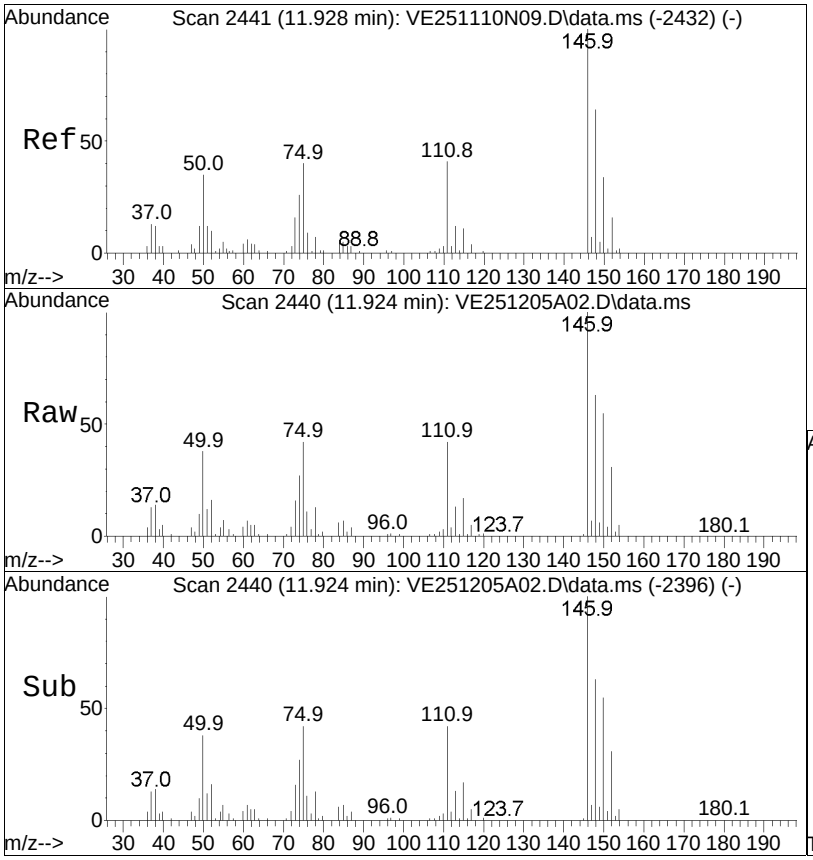


#105
1,3-Dichlorobenzene
Concen: 9.62 ug/L
RT: 11.827 min Scan# 2418
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:146 Resp: 128740

Ion	Ratio	Lower	Upper
146	100		
111	41.3	28.9	60.1
148	62.7	40.8	84.6

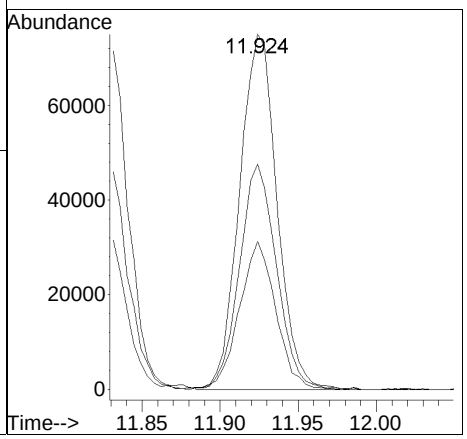


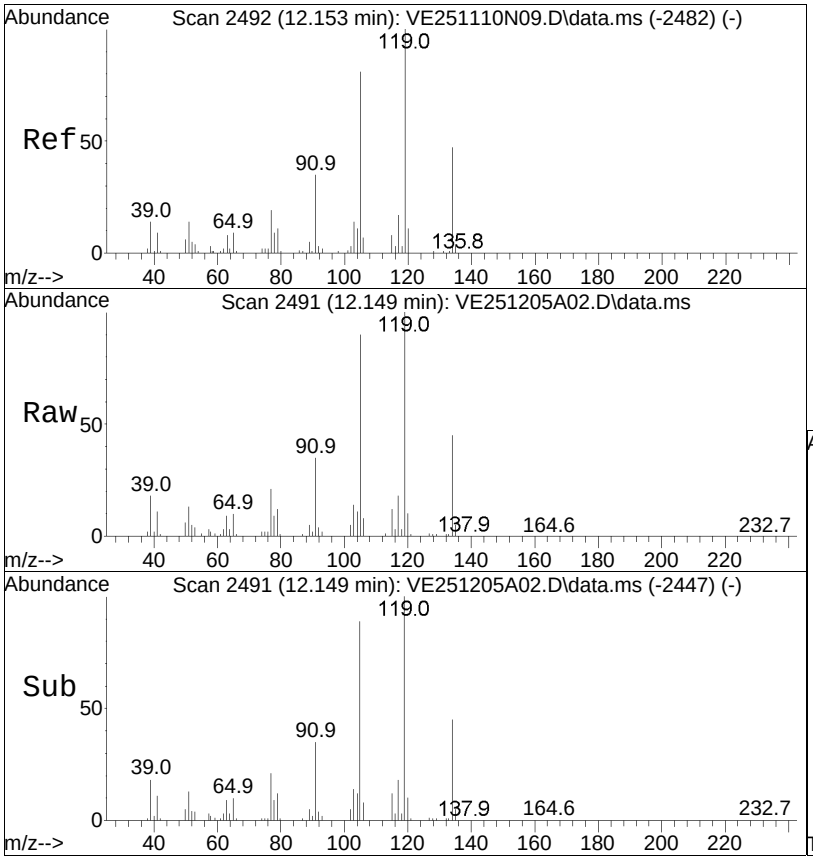


#106
1,4-Dichlorobenzene
Concen: 9.46 ug/L
RT: 11.924 min Scan# 2440
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:146 Resp: 125537

Ion	Ratio	Lower	Upper
146	100		
111	40.6	34.1	51.1
148	62.7	51.3	76.9

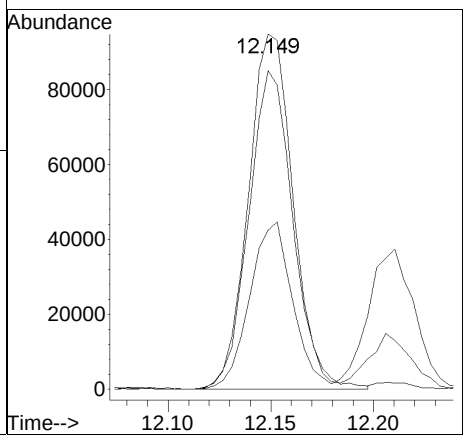


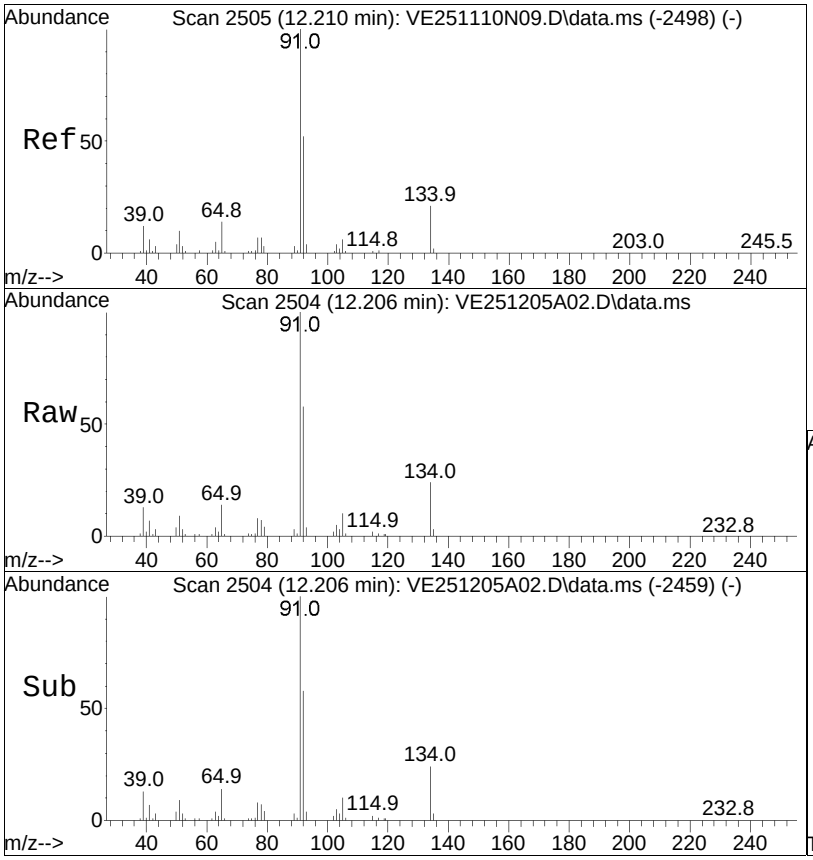


#107
p-Diethylbenzene
Concen: 9.07 ug/L
RT: 12.149 min Scan# 2491
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:119 Resp: 144513

Ion	Ratio	Lower	Upper
119	100		
105	87.8	55.8	115.8
134	45.1	29.2	60.6

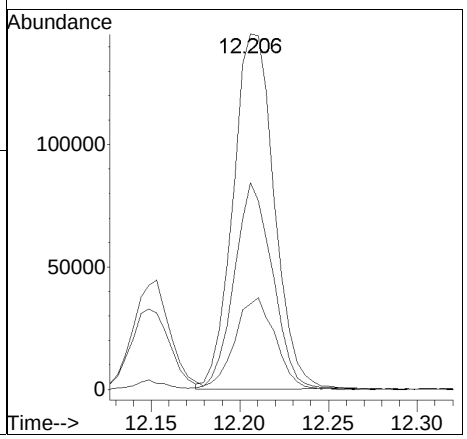


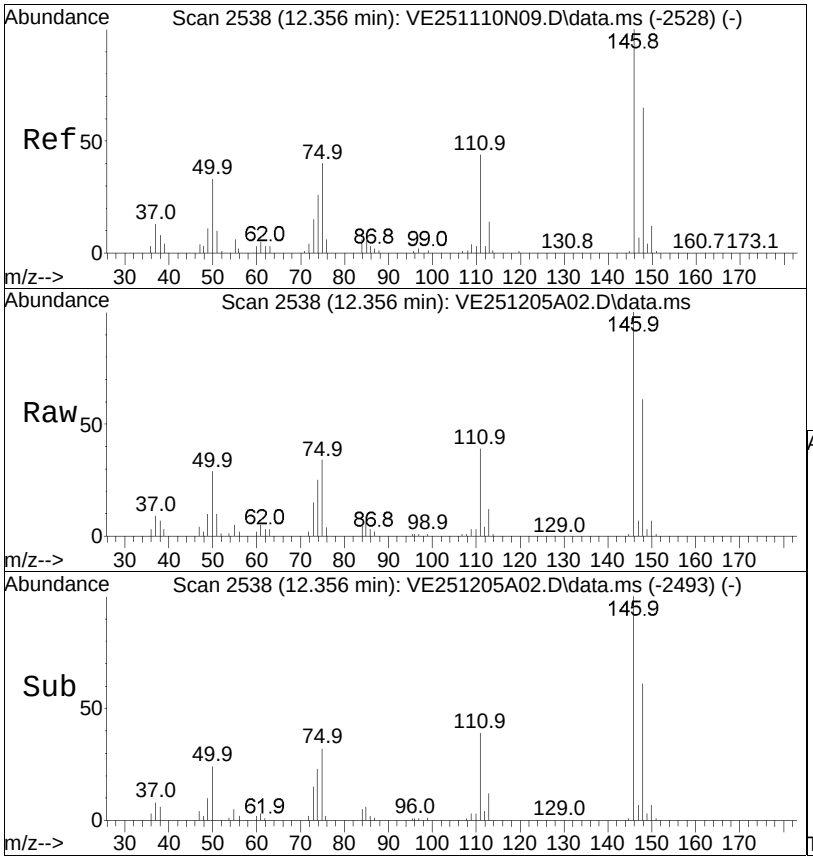


#108
n-Butylbenzene
Concen: 8.93 ug/L
RT: 12.206 min Scan# 2504
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion: 91 Resp: 234296

Ion	Ratio	Lower	Upper
91	100		
92	54.3	41.4	62.0
134	25.2	18.8	28.2

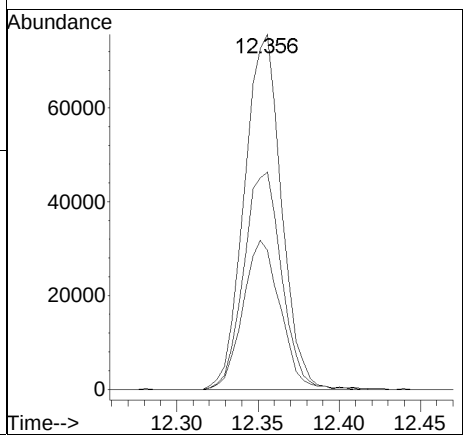


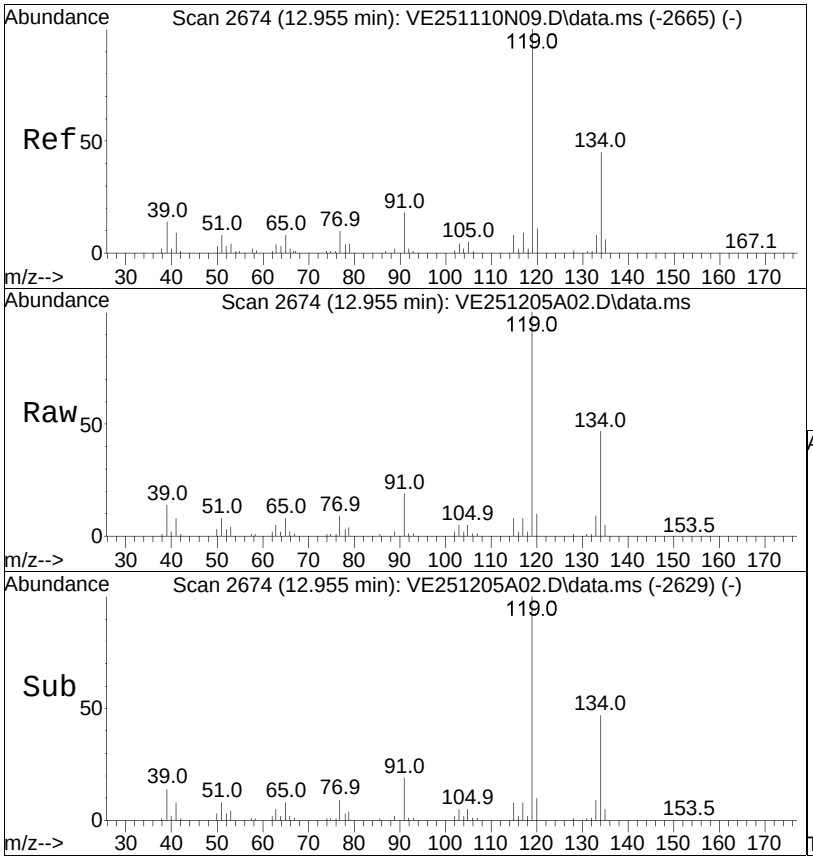


#109
1,2-Dichlorobenzene
Concen: 9.68 ug/L
RT: 12.356 min Scan# 2538
Delta R.T. -0.000 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:146 Resp: 120354

Ion	Ratio	Lower	Upper
146	100		
111	42.4	29.4	61.0
148	62.5	40.4	83.8

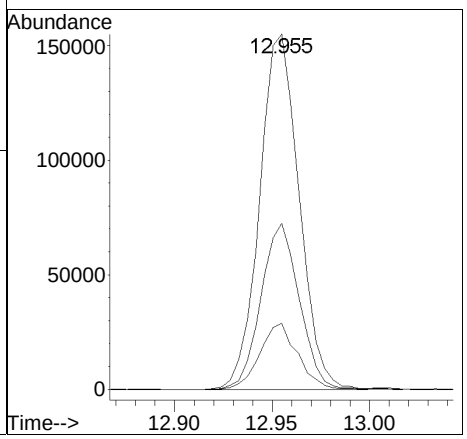


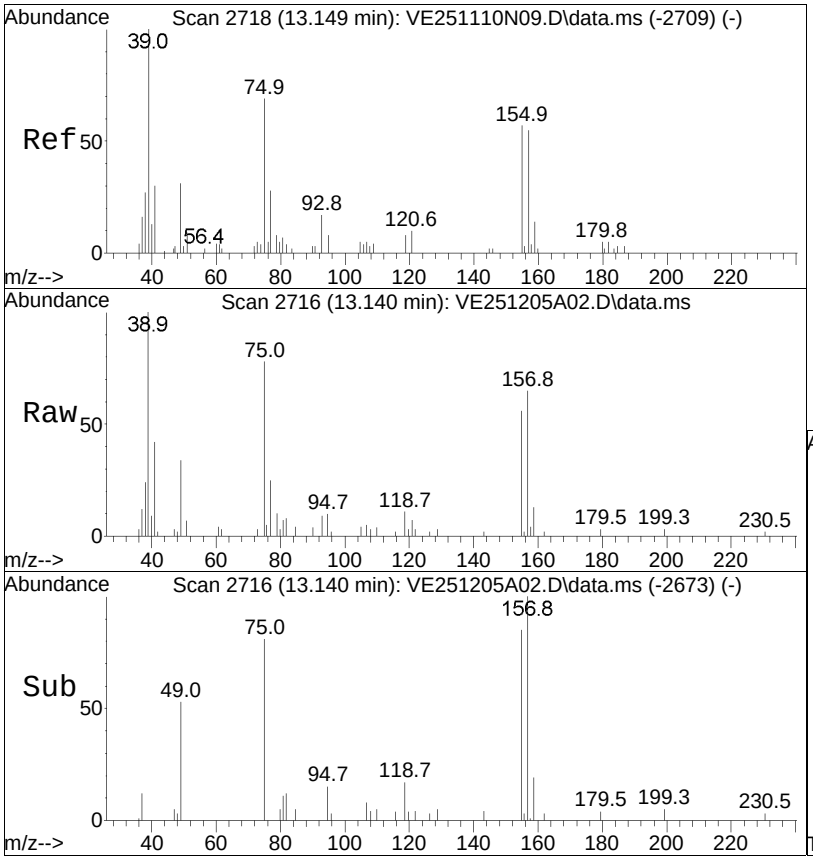


#110
1,2,4,5-Tetramethylbenzene
Concen: 8.10 ug/L
RT: 12.955 min Scan# 2674
Delta R.T. -0.000 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:119 Resp: 218279

Ion	Ratio	Lower	Upper
119	100		
134	45.3	29.6	61.6
91	17.9	12.4	25.8

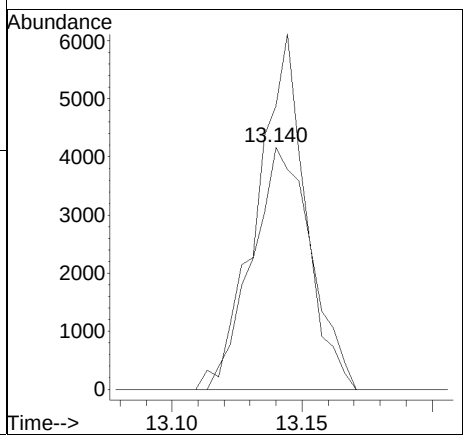


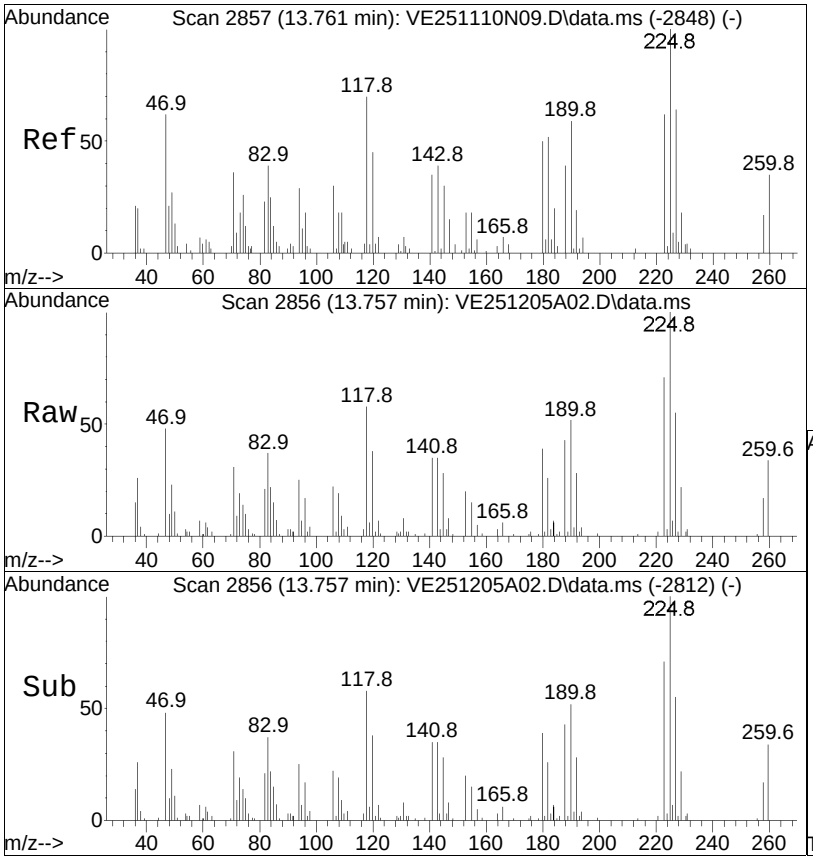


#111
1,2-Dibromo-3-chloropropane
Concen: 8.03 ug/L
RT: 13.140 min Scan# 2716
Delta R.T. -0.009 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:155 Resp: 6401

Ion	Ratio	Lower	Upper
155	100		
157	127.4	101.0	151.4

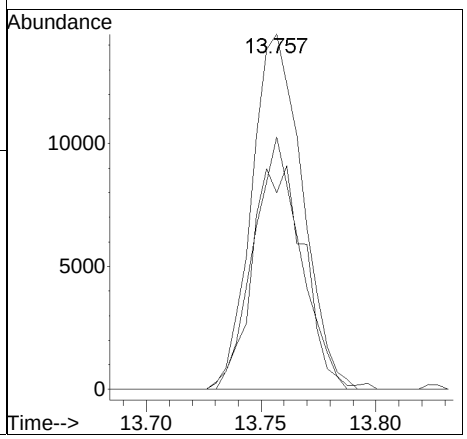


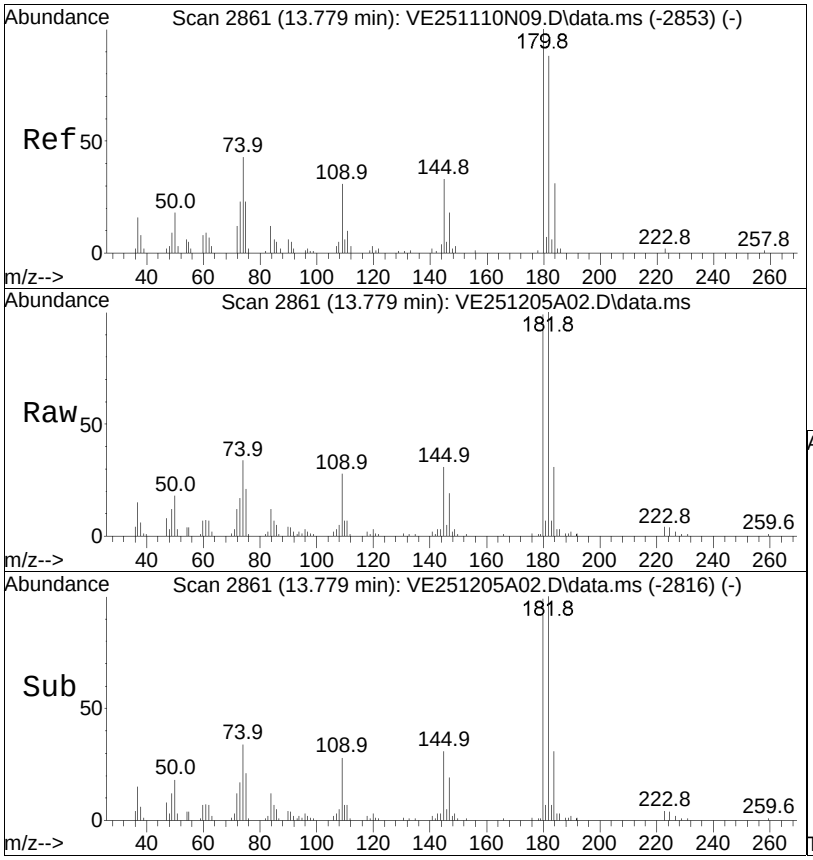


#113
Hexachlorobutadiene
Concen: 10.62 ug/L
RT: 13.757 min Scan# 2856
Delta R.T. -0.004 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:225 Resp: 22250

Ion	Ratio	Lower	Upper
225	100		
223	66.5	53.8	80.8
227	64.8	52.1	78.1

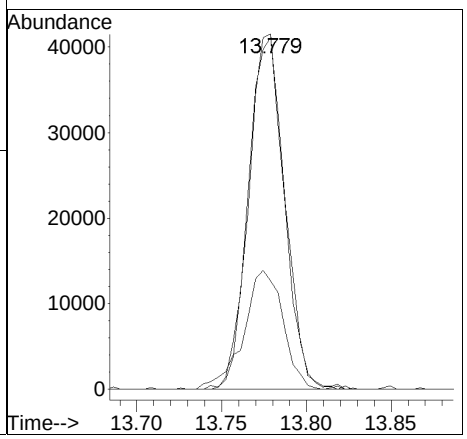


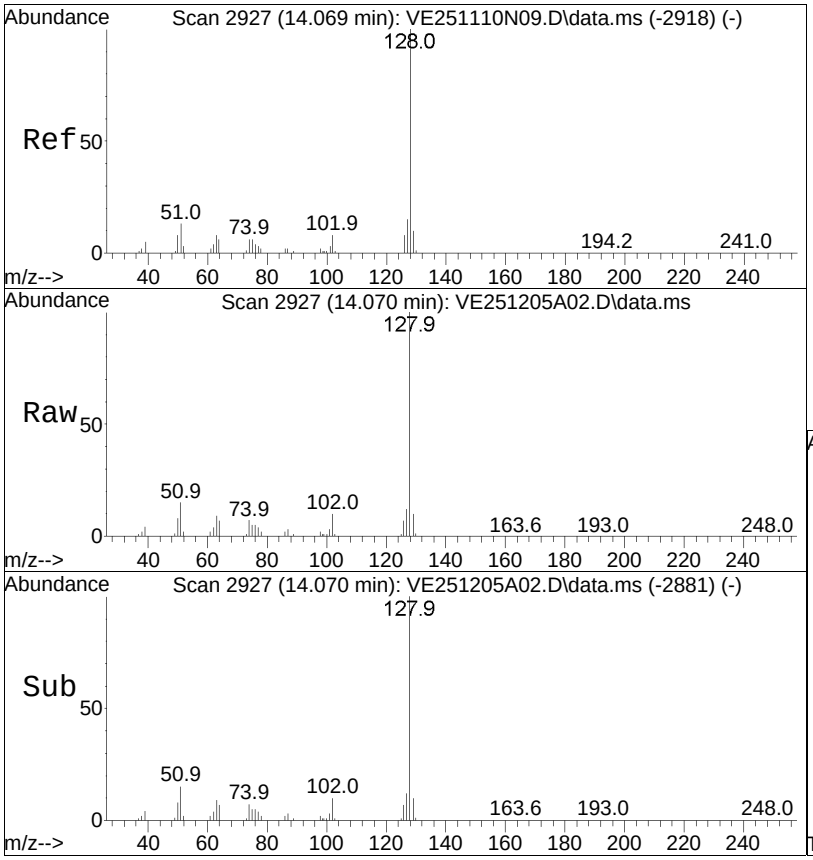


#114
1,2,4-Trichlorobenzene
Concen: 9.23 ug/L
RT: 13.779 min Scan# 2861
Delta R.T. -0.000 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:180 Resp: 62117

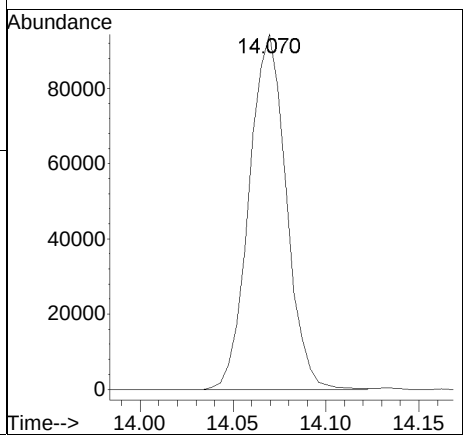
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.1	112.7
145	36.2	29.6	44.4

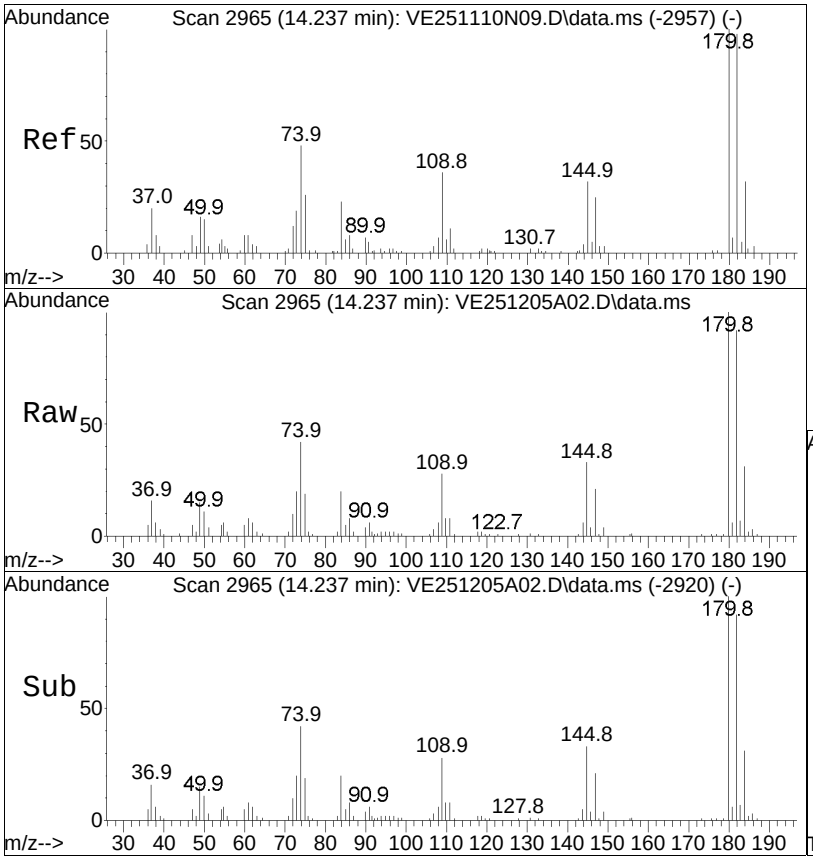




#115
Naphthalene
Concen: 7.81 ug/L
RT: 14.070 min Scan# 2927
Delta R.T. 0.001 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:128 Resp: 131104

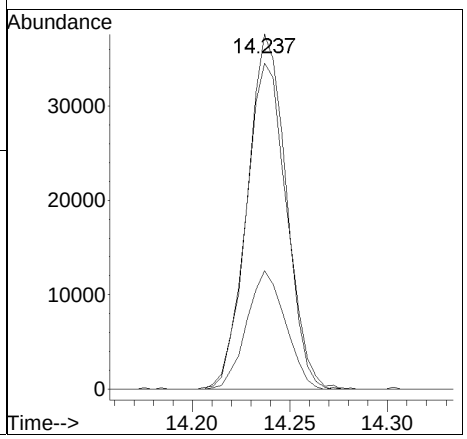




#116
1,2,3-Trichlorobenzene
Concen: 8.95 ug/L
RT: 14.237 min Scan# 2965
Delta R.T. -0.000 min
Lab File: VE251205A02.D
Acq: 5 Dec 2025 7:56 am

Tgt Ion:180 Resp: 52566

Ion	Ratio	Lower	Upper
180	100		
182	93.8	78.9	118.3
145	33.2	27.7	41.5

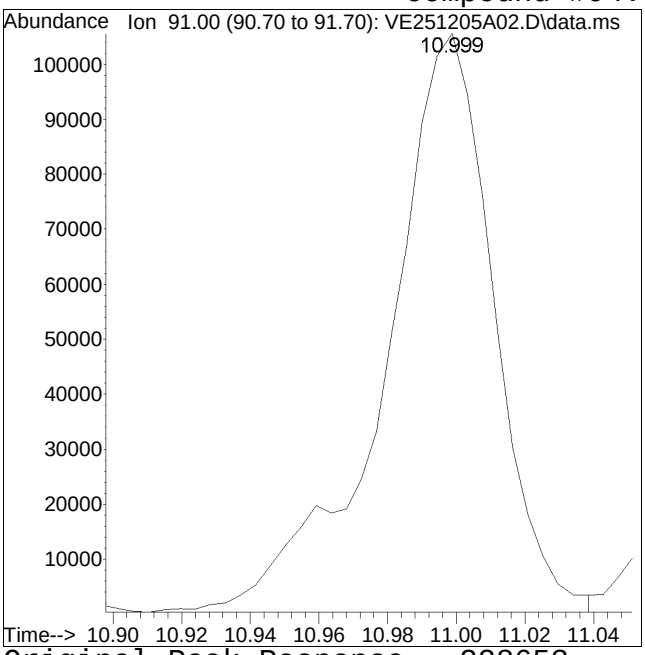


Manual Integration Report

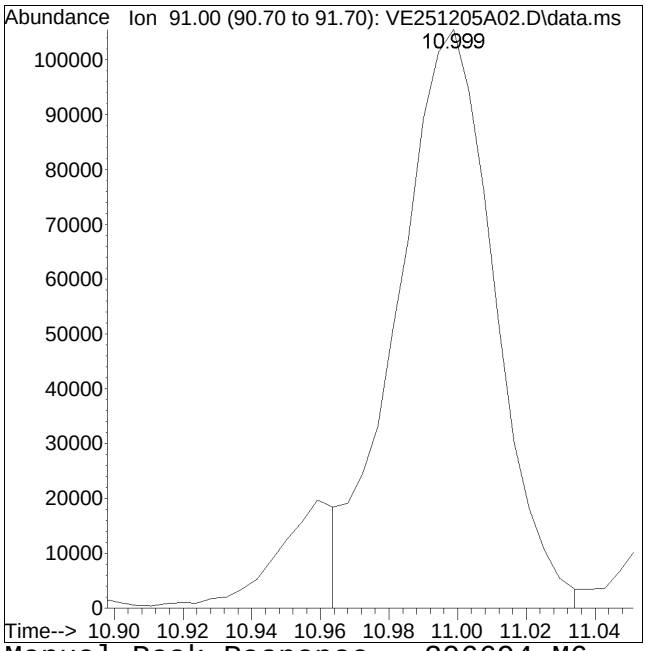
Data Path : K:\Elaine\2025\251205A\
Data File : VE251205A02.D
Date Inj'd : 12/5/2025 7:56 am
Sample : WG2150931-4,31,10,10

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 12/5/2025 9:32 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 228653



Manual Peak Response = 206694 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 08 2025, 08:01 pm

Work Group: WG2150931 for Department: 31 GC/MS - Volatiles

Created: 08-DEC-25 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2575175-01	MW-05-251124	S	NYTCL-8260-R2	WATER	DONE	U	1208	1210	S0	Vial-B
L2575175-03	MW-03-251124	S	NYTCL-8260-R2	WATER	DONE	U	1208	1210	S0	Vial-B
L2575175-04	MW-04-251124	S	NYTCL-8260-R2	WATER	DONE	U	1208	1210	S0	Vial-B
L2575175-05	MW-07-251124	S	NYTCL-8260-R2	WATER	DONE	U	1208	1210	S0	Vial-B
L2575175-06	MW-06-251124	S	NYTCL-8260-R2	WATER	DONE	U	1208	1210	S0	Vial-B
L2575175-07	TB-251124	S	NYTCL-8260-R2	WATER	DONE	U	1208	1210	S0	Vial-B
L2575175-08	FD-251124	S	NYTCL-8260-R2	WATER	DONE	U	1208	1210	S0	Vial-B
L2575357-01	MW-19	S	NYTCL-8260	WATER	DONE	U	1208	1211	S0	Vial-B
L2575357-02	MW-20	S	NYTCL-8260	WATER	DONE	U	1208	1211	S0	Vial-B
L2575357-03	MW-11R	S	NYTCL-8260	WATER	DONE	U	1208	1211	S0	Vial-B
L2575357-04	MW-6	S	NYTCL-8260	WATER	DONE	U	1208	1211	S0	Vial-B
L2575357-05	FB-112425	S	NYTCL-8260	WATER	DONE	U	1208	1211	S0	Vial-B
L2575357-06	TB	S	NYTCL-8260	WATER	DONE	U	1205	1211	S0	Vial-B
L2575357-07	DUP-112425	S	NYTCL-8260	WATER	DONE	U	1208	1211	S0	Vial-B
L2575516-06	MW-15	S	NYCP51-8260-G	WATER	SEC	U	1205	1211	S0	Vial-B
WG2150931-1	MS BFB Tune Standard	S	NYCP51-8260-G	WATER	DONE	U				
WG2150931-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG2150931-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2150931-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG2150931-2	Continuing Calibrati	S	NYCP51-8260-G	WATER	DONE	U				
WG2150931-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2150931-3	Laboratory Control S	S	NYTCL-8260	WATER	DACQ	U				
WG2150931-3	Laboratory Control S	S	NYCP51-8260-G	WATER	DONE	U				
WG2150931-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2150931-4	LCS Duplicate	S	NYCP51-8260-G	WATER	DONE	U				
WG2150931-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2150931-4	LCS Duplicate	S	NYTCL-8260	WATER	DACQ	U				
WG2150931-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2150931-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DACQ	U				
WG2150931-5	Laboratory Method Bl	S	NYCP51-8260-G	WATER	DONE	U				
WG2150931-6	Matrix Spike	S	NYTCL-8260	WATER	DACQ	U				
WG2150931-6	Matrix Spike	S	NYCP51-8260-G	WATER	DONE	U				
WG2150931-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2150931-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DACQ	U				
WG2150931-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2150931-7	Matrix Spike Duplica	S	NYCP51-8260-G	WATER	DONE	U				

Comments:

WG2150931-4	WG2150931-3
WG2150931-6	L2575175-01
WG2150931-7	L2575175-01

Inst: Elaine
Initials: RAW
Date: **11/10/25**
Run: **N**

BFB: V11498
IS/SS: V11514
ICAL: V11515B,V11532
ICV: V11528,V11529,V11490,V11491,V11516,V11517

Method
GC: 8260-SPLIT
Autosampler: 8260
Concentrator: 8260

QC:_____ Seq:_____

Vial	Data File	Sample	obs
1	VE251110NBF1	BFB TUNE	
1	VE251110N01	BLK	
2	VE251110N02	BLK	
3	VE251110N03	I8260STD0.19PPB	
4	VE251110N04	I8260STD0.19PPB	
5	VE251110N05	I8260STD0.5PPB	
6	VE251110N06	I8260STD0.5PPB	
7	VE251110N07	I8260STD2PPB	
8	VE251110N08	I8260STD2PPB	
9	VE251110N09	I8260STD10PPB	
10	VE251110N10	I8260STD30PPB	
11	VE251110N11	I8260STD80PPB	
12	VE251110N12	I8260STD120PPB	
13	VE251110N13	I8260STD200PPB	
14	VE251110N14	BLK	
15	VE251110N15	BLK	
16	VE251110N16	BLK	
17	VE251110N17	BLK	
18	VE251110N18	C8260STD10PPB	
19	VE251110N19	C8260STD10PPB	
20	VE251110N20	BLK	
21	VE251110N21	MDL METHOD BLK	
22	VE251110N22	MDL L1	
23	VE251110N23	MDL L1	
24	VE251110N24	MDL L2	
25	VE251110N25	MDL L2	
26	VE251110N26	BLK	

Inst: Elaine
Initials: PID
Date: **12/05/25**
Run: **A**

BFB: V11543
IS/SS: V11547
ICAL: V11554A,V11568

Method
GC: 8260-SPLIT
Autosampler: 8260
Concentrator: 8260

QC:_____ Seq:_____

Vial	Data File	Sample	Comments	SIM WG	WG	obs	pH
1	VE251205ABF2	BFB TUNE 07:14					
1	VE251205A01	8260 CCAL LCS					
2	VE251205A02	8260 CCAL LCSD					
3	VE251205A03	8260 CCAL					
4	VE251205A04	BLK					
5	VE251205A05	METHOD BLK					
6	VE251205A06	L2575966-30D,31,2.0,10,,C	8260CHLR/PCEBREAK				pH<2
7	VE251205A07	L2575966-30MS,31,2.0,10,,C	8260CHLR/PCEBREAK				pH<2
8	VE251205A08	L2575966-30MSD,31,2.0,10,,C	8260CHLR/PCEBREAK				pH<2
9	VE251205A09	L2575966-31D2,31,0.25,10,,C	8260CHLR/VC			HS	pH<2
10	VE251205A10	L2575966-33D,31,2.0,10,,C	8260CHLR/PCEBREAK				pH<2
11	VE251205A11	L2575516-06D,31,0.5,10,,B	NY/NPB			COMP VIAL	pH<2
12	VE251205A12	L2574979-08,31,10,10,,A	NY/R2			TB	pH<2
13	VE251205A13	L2574979-07,31,10,10,,A	NY/R2				pH<2
14	VE251205A14	L2575175-01,31,10,10,,A	NY/R2/10				pH<2
15	VE251205A15	L2575175-03,31,10,10,,A	NY/R2/10				pH<2
16	VE251205A16	L2575175-04,31,10,10,,A	NY/R2/10				pH<2
17	VE251205A17	L2575175-05,31,10,10,,A	NY/R2/10				pH<2
18	VE251205A18	L2575175-06,31,10,10,,A	NY/R2/10				pH<2
19	VE251205A19	L2575175-07,31,10,10,,A	NY/R2/10			TB	pH<2
20	VE251205A20	L2575175-08,31,10,10,,A	NY/R2/10				pH<2
21	VE251205A21	L2575357-01,31,10,10,,A	NYTCL				pH<2
22	VE251205A22	L2575357-02,31,10,10,,A	NYTCL				pH<2
23	VE251205A23	L2575357-03D,31,2.0,10,,A	NYTCL				pH<2
24	VE251205A24	L2575357-04,31,10,10,,A	NYTCL				pH<2
25	VE251205A25	L2575357-05,31,10,10,,A	NYTCL			FB	pH<2
26	VE251205A26	L2575357-06,31,10,10,,A	NYTCL			TB	pH<2
27	VE251205A27	L2575357-07,31,10,10,,A	NYTCL				pH<2
28	VE251205A28	L2575175-01MS,31,10,10,,A1	NY/R2/10				pH<2
29	VE251205A29	L2575175-01MSD,31,10,10,,A2	NY/R2/10				pH<2
30	VE251205A30	BLK					

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

Impact Closures

5801 AMBOY ROAD

GCU98120

Ver 1

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Tuesday, January 06, 2026

Attn: Luis Maldonado
Impact Closures
170 Keyland Court
Bohemia NY 11716

Project ID: **5801 AMBOY ROAD**
SDG ID: **GCU98120**
Sample ID#s: CU98120 - CU98123

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Impact Closures

Project: 5801 AMBOY ROAD

Laboratory Project: GCU98120

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

January 06, 2026

SDG I.D.: GCU98120

Impact Closures 5801 AMBOY ROAD

Methodology Summary

Volatiles in Air

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15, Second Edition, U. S. Environmental Protection Agency, January 1999.

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

January 06, 2026

SDG I.D.: GCU98120

Impact Closures 5801 AMBOY ROAD

Laboratory Chronicle

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CU98120	Volatiles (TO15)	12/16/25	12/17/25	12/17/25	KCA	Y
CU98121	Volatiles (TO15)	12/16/25	12/17/25	12/17/25	KCA	Y
CU98122	Volatiles (TO15)	12/16/25	12/17/25	12/17/25	KCA	Y
CU98123	Volatiles (TO15)	12/16/25	12/17/25	12/17/25	KCA	Y

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

January 06, 2026

SDG I.D.: GCU98120

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.
Compounds that are detected above MDL but below RL are qualified with a J flag.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Sample Id Cross Reference

January 06, 2026

SDG I.D.: GCU98120

Project ID: 5801 AMBOY ROAD

Client Id	Lab Id	Matrix	Col Date
IA-3	CU98120	AIR	12/16/25 14:50
IA-2	CU98121	AIR	12/16/25 14:48
AA-1	CU98122	AIR	12/16/25 15:17
IA-1	CU98123	AIR	12/16/25 14:40

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

Analysis Report

January 06, 2026

FOR: Attn: Luis Maldonado
Impact Closures
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AD	12/16/25	14:50
Location Code:	IMPACT-ICL	Received by:	B	12/17/25	17:43
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:	17518				
Canister Id:	49198				

Laboratory Data

SDG ID: GCU98120
Phoenix ID: CU98120

Project ID: 5801 AMBOY ROAD
Client ID: IA-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/17/25	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	12/17/25	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	12/17/25	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	12/17/25	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/17/25	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/17/25	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	12/17/25	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/17/25	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	1
4-Isopropyltoluene	0.265	*0.182*	0.182	1.45	*1.00*	1.00	12/17/25	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/17/25	KCA	1	
Acetone	26.9	*0.421*	0.421	63.9	*1.00*	1.00	12/17/25	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	12/17/25	KCA	1	
Benzene	0.331	*0.313*	0.313	1.06	*1.00*	1.00	12/17/25	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	12/17/25	KCA	1	

Project ID: 5801 AMBOY ROAD
Client ID: IA-3

Phoenix I.D.: CU98120

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	12/17/25	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/17/25	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/17/25	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/17/25	KCA	1	
Carbon Tetrachloride	0.064		*0.032*	0.032	0.40	*0.20*	0.20	12/17/25	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/17/25	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/17/25	KCA	1	
Chloroform	0.742		*0.205*	0.205	3.62	*1.00*	1.00	12/17/25	KCA	1	
Chloromethane	0.692		*0.485*	0.485	1.43	*1.00*	1.00	12/17/25	KCA	1	
Cis-1,2-Dichloroethene	0.056		*0.051*	0.051	0.22	*0.20*	0.20	12/17/25	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/17/25	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/17/25	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/17/25	KCA	1	
Dichlorodifluoromethane	0.450		*0.202*	0.202	2.22	*1.00*	1.00	12/17/25	KCA	1	
Ethanol	649	E	*0.531*	0.531	1220	*1.00*	1.00	12/17/25	KCA	1	1
Ethyl acetate	0.652		*0.278*	0.278	2.35	*1.00*	1.00	12/17/25	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/17/25	KCA	1	
Heptane	ND		*0.244*	0.244	ND	*1.00*	1.00	12/17/25	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/17/25	KCA	1	
Hexane	ND		*0.284*	0.284	ND	*1.00*	1.00	12/17/25	KCA	1	
Isooctane	ND		*0.215*	0.215	ND	*1.00*	1.00	12/17/25	KCA	1	
Isopropylalcohol	245	E	*0.407*	0.407	602	*1.00*	1.00	12/17/25	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	
m,p-Xylene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/17/25	KCA	1	
Methyl Ethyl Ketone	3.06		*0.339*	0.339	9.02	*1.00*	1.00	12/17/25	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/17/25	KCA	1	
Methylene Chloride	ND		*0.863*	0.863	ND	*3.00*	3.00	12/17/25	KCA	1	
Naphthalene	ND		*0.200*	0.200	ND	*1.05*	1.05	12/17/25	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/17/25	KCA	1	1
o-Xylene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/17/25	KCA	1	
Propylene	1.28		*0.581*	0.581	2.20	*1.00*	1.00	12/17/25	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/17/25	KCA	1	1
Styrene	0.483		*0.235*	0.235	2.06	*1.00*	1.00	12/17/25	KCA	1	
Tetrachloroethene	0.116		*0.037*	0.037	0.79	*0.25*	0.25	12/17/25	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	12/17/25	KCA	1	1
Toluene	0.404		*0.266*	0.266	1.52	*1.00*	1.00	12/17/25	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/17/25	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/17/25	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/17/25	KCA	1	
Trichlorofluoromethane	0.182		*0.178*	0.178	1.02	*1.00*	1.00	12/17/25	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/17/25	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/17/25	KCA	1	
QA/QC Surrogates/Internals											
% Bromofluorobenzene	103		*%*	%	103	*%*	%	12/17/25	KCA	1	
% IS-1,4-Difluorobenzene	90		*%*	%	90	*%*	%	12/17/25	KCA	1	
% IS-Bromochloromethane	89		*%*	%	89	*%*	%	12/17/25	KCA	1	
% IS-Chlorobenzene-d5	91		*%*	%	91	*%*	%	12/17/25	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
January 06, 2026
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 06, 2026

FOR: Attn: Luis Maldonado
Impact Closures
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AD	12/16/25	14:48
Location Code:	IMPACT-ICL	Received by:	B	12/17/25	17:43
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:	17518				
Canister Id:	53443				

Laboratory Data

SDG ID: GCU98120
Phoenix ID: CU98121

Project ID: 5801 AMBOY ROAD
Client ID: IA-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/17/25	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	12/17/25	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	12/17/25	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	12/17/25	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/17/25	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/17/25	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	12/17/25	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/17/25	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/17/25	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/17/25	KCA	1	
Acetone	28.0	*0.421*	0.421	66.5	*1.00*	1.00	12/17/25	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	12/17/25	KCA	1	
Benzene	0.343	*0.313*	0.313	1.10	*1.00*	1.00	12/17/25	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	12/17/25	KCA	1	

Project ID: 5801 AMBOY ROAD
Client ID: IA-2

Phoenix I.D.: CU98121

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	12/17/25	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/17/25	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/17/25	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/17/25	KCA	1	
Carbon Tetrachloride	0.066		*0.032*	0.032	0.41	*0.20*	0.20	12/17/25	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/17/25	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/17/25	KCA	1	
Chloroform	0.738		*0.205*	0.205	3.60	*1.00*	1.00	12/17/25	KCA	1	
Chloromethane	0.860		*0.485*	0.485	1.77	*1.00*	1.00	12/17/25	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/17/25	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/17/25	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/17/25	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/17/25	KCA	1	
Dichlorodifluoromethane	0.478		*0.202*	0.202	2.36	*1.00*	1.00	12/17/25	KCA	1	
Ethanol	658	E	*0.531*	0.531	1240	*1.00*	1.00	12/17/25	KCA	1	1
Ethyl acetate	0.670		*0.278*	0.278	2.41	*1.00*	1.00	12/17/25	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/17/25	KCA	1	
Heptane	ND		*0.244*	0.244	ND	*1.00*	1.00	12/17/25	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/17/25	KCA	1	
Hexane	ND		*0.284*	0.284	ND	*1.00*	1.00	12/17/25	KCA	1	
Isooctane	ND		*0.215*	0.215	ND	*1.00*	1.00	12/17/25	KCA	1	
Isopropylalcohol	239	E	*0.407*	0.407	587	*1.00*	1.00	12/17/25	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	
m,p-Xylene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/17/25	KCA	1	
Methyl Ethyl Ketone	3.19		*0.339*	0.339	9.40	*1.00*	1.00	12/17/25	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/17/25	KCA	1	
Methylene Chloride	ND		*0.863*	0.863	ND	*3.00*	3.00	12/17/25	KCA	1	
Naphthalene	ND		*0.200*	0.200	ND	*1.05*	1.05	12/17/25	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/17/25	KCA	1	1
o-Xylene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/17/25	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/17/25	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/17/25	KCA	1	1
Styrene	0.357		*0.235*	0.235	1.52	*1.00*	1.00	12/17/25	KCA	1	
Tetrachloroethene	0.119		*0.037*	0.037	0.81	*0.25*	0.25	12/17/25	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	12/17/25	KCA	1	1
Toluene	0.418		*0.266*	0.266	1.57	*1.00*	1.00	12/17/25	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/17/25	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/17/25	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/17/25	KCA	1	
Trichlorofluoromethane	0.187		*0.178*	0.178	1.05	*1.00*	1.00	12/17/25	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/17/25	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/17/25	KCA	1	
QA/QC Surrogates/Internals											
% Bromofluorobenzene	104		*%*	%	104	*%*	%	12/17/25	KCA	1	
% IS-1,4-Difluorobenzene	87		*%*	%	87	*%*	%	12/17/25	KCA	1	
% IS-Bromochloromethane	87		*%*	%	87	*%*	%	12/17/25	KCA	1	
% IS-Chlorobenzene-d5	89		*%*	%	89	*%*	%	12/17/25	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
January 06, 2026
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

Analysis Report

January 06, 2026

FOR: Attn: Luis Maldonado
Impact Closures
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AD	12/16/25	15:17
Location Code:	IMPACT-ICL	Received by:	B	12/17/25	17:43
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:	17518				
Canister Id:	23872				

Laboratory Data

SDG ID: GCU98120
Phoenix ID: CU98122

Project ID: 5801 AMBOY ROAD
Client ID: AA-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/17/25	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	12/17/25	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	12/17/25	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	12/17/25	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/17/25	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/17/25	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	12/17/25	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/17/25	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/17/25	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/17/25	KCA	1	
Acetone	2.46	*0.421*	0.421	5.84	*1.00*	1.00	12/17/25	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	12/17/25	KCA	1	
Benzene	0.491	*0.313*	0.313	1.57	*1.00*	1.00	12/17/25	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	12/17/25	KCA	1	

Project ID: 5801 AMBOY ROAD
Client ID: AA-1

Phoenix I.D.: CU98122

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	12/17/25	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	12/17/25	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	12/17/25	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	12/17/25	KCA	1	
Carbon Tetrachloride	0.064	*0.032*	0.032	0.40	*0.20*	0.20	12/17/25	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	12/17/25	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	12/17/25	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	12/17/25	KCA	1	
Chloromethane	0.690	*0.485*	0.485	1.42	*1.00*	1.00	12/17/25	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	12/17/25	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	12/17/25	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	12/17/25	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	12/17/25	KCA	1	
Dichlorodifluoromethane	0.457	*0.202*	0.202	2.26	*1.00*	1.00	12/17/25	KCA	1	
Ethanol	10.7	*0.531*	0.531	20.1	*1.00*	1.00	12/17/25	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	12/17/25	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	12/17/25	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	12/17/25	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	12/17/25	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	12/17/25	KCA	1	
Isooctane	ND	*0.215*	0.215	ND	*1.00*	1.00	12/17/25	KCA	1	
Isopropylalcohol	5.59	*0.407*	0.407	13.7	*1.00*	1.00	12/17/25	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	12/17/25	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	12/17/25	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	12/17/25	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	12/17/25	KCA	1	
Naphthalene	ND	*0.200*	0.200	ND	*1.05*	1.05	12/17/25	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/17/25	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	12/17/25	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	12/17/25	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/17/25	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	12/17/25	KCA	1	
Tetrachloroethene	ND	*0.037*	0.037	ND	*0.25*	0.25	12/17/25	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	12/17/25	KCA	1	1
Toluene	0.316	*0.266*	0.266	1.19	*1.00*	1.00	12/17/25	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	12/17/25	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	12/17/25	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	12/17/25	KCA	1	
Trichlorofluoromethane	0.194	*0.178*	0.178	1.09	*1.00*	1.00	12/17/25	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	12/17/25	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	12/17/25	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	103	%	%	103	%	%	12/17/25	KCA	1	
% IS-1,4-Difluorobenzene	87	%	%	87	%	%	12/17/25	KCA	1	
% IS-Bromochloromethane	88	%	%	88	%	%	12/17/25	KCA	1	
% IS-Chlorobenzene-d5	87	%	%	87	%	%	12/17/25	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
January 06, 2026
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

Analysis Report

January 06, 2026

FOR: Attn: Luis Maldonado
Impact Closures
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AD	12/16/25	14:40
Location Code:	IMPACT-ICL	Received by:	B	12/17/25	17:43
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:	17518				
Canister Id:	53445				

Laboratory Data

SDG ID: GCU98120
Phoenix ID: CU98123

Project ID: 5801 AMBOY ROAD
Client ID: IA-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/17/25	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/17/25	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	12/17/25	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	12/17/25	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	12/17/25	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	12/17/25	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/17/25	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/17/25	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	12/17/25	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/17/25	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/17/25	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/17/25	KCA	1	
Acetone	30.5	*0.421*	0.421	72.4	*1.00*	1.00	12/17/25	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	12/17/25	KCA	1	
Benzene	0.343	*0.313*	0.313	1.10	*1.00*	1.00	12/17/25	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	12/17/25	KCA	1	

Project ID: 5801 AMBOY ROAD
Client ID: IA-1

Phoenix I.D.: CU98123

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	12/17/25	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/17/25	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/17/25	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/17/25	KCA	1	
Carbon Tetrachloride	0.067		*0.032*	0.032	0.42	*0.20*	0.20	12/17/25	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/17/25	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/17/25	KCA	1	
Chloroform	0.790		*0.205*	0.205	3.85	*1.00*	1.00	12/17/25	KCA	1	
Chloromethane	0.752		*0.485*	0.485	1.55	*1.00*	1.00	12/17/25	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/17/25	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/17/25	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/17/25	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/17/25	KCA	1	
Dichlorodifluoromethane	0.464		*0.202*	0.202	2.29	*1.00*	1.00	12/17/25	KCA	1	
Ethanol	702	E	*0.531*	0.531	1320	*1.00*	1.00	12/17/25	KCA	1	1
Ethyl acetate	0.699		*0.278*	0.278	2.52	*1.00*	1.00	12/17/25	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/17/25	KCA	1	
Heptane	ND		*0.244*	0.244	ND	*1.00*	1.00	12/17/25	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/17/25	KCA	1	
Hexane	ND		*0.284*	0.284	ND	*1.00*	1.00	12/17/25	KCA	1	
Isooctane	ND		*0.215*	0.215	ND	*1.00*	1.00	12/17/25	KCA	1	
Isopropylalcohol	270	E	*0.407*	0.407	663	*1.00*	1.00	12/17/25	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/17/25	KCA	1	
m,p-Xylene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/17/25	KCA	1	
Methyl Ethyl Ketone	3.35		*0.339*	0.339	9.9	*1.00*	1.00	12/17/25	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/17/25	KCA	1	
Methylene Chloride	ND		*0.863*	0.863	ND	*3.00*	3.00	12/17/25	KCA	1	
Naphthalene	ND		*0.200*	0.200	ND	*1.05*	1.05	12/17/25	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/17/25	KCA	1	1
o-Xylene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/17/25	KCA	1	
Propylene	1.28		*0.581*	0.581	2.20	*1.00*	1.00	12/17/25	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/17/25	KCA	1	1
Styrene	0.376		*0.235*	0.235	1.60	*1.00*	1.00	12/17/25	KCA	1	
Tetrachloroethene	0.130		*0.037*	0.037	0.88	*0.25*	0.25	12/17/25	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	12/17/25	KCA	1	1
Toluene	0.418		*0.266*	0.266	1.57	*1.00*	1.00	12/17/25	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/17/25	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/17/25	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/17/25	KCA	1	
Trichlorofluoromethane	0.191		*0.178*	0.178	1.07	*1.00*	1.00	12/17/25	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/17/25	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/17/25	KCA	1	
QA/QC Surrogates/Internals											
% Bromofluorobenzene	104		*%*	%	104	*%*	%	12/17/25	KCA	1	
% IS-1,4-Difluorobenzene	83		*%*	%	83	*%*	%	12/17/25	KCA	1	
% IS-Bromochloromethane	84		*%*	%	84	*%*	%	12/17/25	KCA	1	
% IS-Chlorobenzene-d5	85		*%*	%	85	*%*	%	12/17/25	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

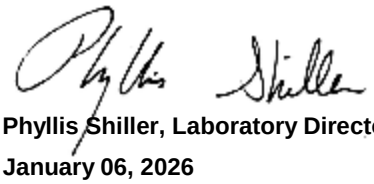
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
January 06, 2026
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Canister Sampling Information

January 06, 2026

FOR: Attn: Luis Maldonado
Impact Closures
170 Keyland Court
Bohemia NY 11716

Location Code: IMPACT-ICL

SDG I.D.: GCU98120

Project ID: 5801 AMBOY ROAD

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
IA-3	CU98120	49198	6.0L	10578	12/10/25	-30	-2	11.3	11.9	5.2	-30	-4	12/16/25 06:58	12/16/25 14:50
IA-2	CU98121	53443	6.0L	6998	12/10/25	-30	-4	11.4	12.2	6.8	-29	-5	12/16/25 06:52	12/16/25 14:48
AA-1	CU98122	23872	6.0L	10656	12/10/25	-30	-3	10.6	11.2	5.5	-30	-5	12/16/25 07:26	12/16/25 15:17
IA-1	CU98123	53445	6.0L	5238	12/10/25	-30	-7	11.4	12.1	6.0	-30	-5	12/16/25 06:48	12/16/25 14:40

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

QA/QC Report

January 06, 2026

QA/QC Data

SDG I.D.: GCU98120

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 819466 (ppbv), QC Sample No: CU98007 (CU98120, CU98121, CU98122, CU98123)													
Volatiles													
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	91	ND	ND	ND	ND	NC	70 - 130	25	
1,1,1-Trichloroethane	ND	0.180	ND	0.98	94	ND	ND	ND	ND	NC	70 - 130	25	
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	99	ND	ND	ND	ND	NC	70 - 130	25	
1,1,2-Trichloroethane	ND	0.180	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25	
1,1-Dichloroethane	ND	0.250	ND	1.01	98	ND	ND	ND	ND	NC	70 - 130	25	
1,1-Dichloroethene	ND	0.050	ND	0.20	100	ND	ND	ND	ND	NC	70 - 130	25	
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	108	ND	ND	ND	ND	NC	70 - 130	25	
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	98	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichlorobenzene	ND	0.170	ND	1.02	101	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichloroethane	ND	0.250	ND	1.01	104	ND	ND	ND	ND	NC	70 - 130	25	
1,2-dichloropropane	ND	0.220	ND	1.02	100	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25	
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	94	ND	ND	ND	ND	NC	70 - 130	25	
1,3-Butadiene	ND	0.450	ND	0.99	105	ND	ND	ND	ND	NC	70 - 130	25	
1,3-Dichlorobenzene	ND	0.170	ND	1.02	98	ND	ND	ND	ND	NC	70 - 130	25	
1,4-Dichlorobenzene	ND	0.170	ND	1.02	100	ND	ND	ND	ND	NC	70 - 130	25	
1,4-Dioxane	ND	0.280	ND	1.01	130	ND	ND	ND	ND	NC	70 - 130	25	
2,2,4-Trimethylpentane	ND	0.210	ND	0.98	99	2.09	2.13	0.448	0.457	NC	70 - 130	25	
2-Hexanone(MBK)	ND	0.240	ND	0.98	131	ND	ND	ND	ND	NC	70 - 130	25	I
4-Ethyltoluene	ND	0.200	ND	0.98	97	ND	ND	ND	ND	NC	70 - 130	25	
4-Isopropyltoluene	ND	0.180	ND	0.99	89	1.71	1.71	0.312	0.311	NC	70 - 130	25	
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	116	ND	ND	ND	ND	NC	70 - 130	25	
Acetone	ND	0.420	ND	1.00	108	26.8	27.3	11.3	11.5	1.8	70 - 130	25	
Acrylonitrile	ND	0.460	ND	1.00	153	ND	ND	ND	ND	NC	70 - 130	25	I
Benzene	ND	0.310	ND	0.99	96	1.72	1.77	0.538	0.554	NC	70 - 130	25	
Benzyl chloride	ND	0.190	ND	0.98	90	ND	ND	ND	ND	NC	70 - 130	25	
Bromodichloromethane	ND	0.150	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25	
Bromoform	ND	0.097	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25	
Bromomethane	ND	0.260	ND	1.01	93	ND	ND	ND	ND	NC	70 - 130	25	
Carbon Disulfide	ND	0.320	ND	1.00	90	ND	ND	ND	ND	NC	70 - 130	25	
Carbon Tetrachloride	ND	0.032	ND	0.20	96	0.42	0.43	0.067	0.068	NC	70 - 130	25	
Chlorobenzene	ND	0.220	ND	1.01	95	ND	ND	ND	ND	NC	70 - 130	25	
Chloroethane	ND	0.380	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25	
Chloroform	ND	0.200	ND	0.98	97	ND	ND	ND	ND	NC	70 - 130	25	
Chloromethane	ND	0.480	ND	0.99	108	1.22	1.30	0.591	0.628	NC	70 - 130	25	
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	99	ND	ND	ND	ND	NC	70 - 130	25	
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25	
Cyclohexane	ND	0.290	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25	
Dibromochloromethane	ND	0.120	ND	1.02	103	ND	ND	ND	ND	NC	70 - 130	25	
Dichlorodifluoromethane	ND	0.200	ND	0.99	101	2.31	2.37	0.468	0.479	NC	70 - 130	25	

QA/QC Data

SDG I.D.: GCU98120

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits	
Ethanol	ND	0.530	ND	1.00	133	623 E	633	331 E	336	1.5	70 - 130	25	I
Ethyl acetate	ND	0.280	ND	1.01	110	ND	1.07	ND	0.298	NC	70 - 130	25	
Ethylbenzene	ND	0.230	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25	
Heptane	ND	0.240	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25	
Hexachlorobutadiene	ND	0.094	ND	1.00	91	ND	ND	ND	ND	NC	70 - 130	25	
Hexane	ND	0.280	ND	0.99	100	1.74	1.74	0.493	0.493	NC	70 - 130	25	
Isopropylalcohol	ND	0.410	ND	1.01	115	63.6	65.1	25.9	26.5	2.3	70 - 130	25	
Isopropylbenzene	ND	0.200	ND	0.98	90	ND	ND	ND	ND	NC	70 - 130	25	
m,p-Xylene	ND	0.230	ND	1.00	95	2.30	2.33	0.530	0.538	NC	70 - 130	25	
Methyl Ethyl Ketone	ND	0.340	ND	1.00	104	2.59	2.59	0.880	0.879	NC	70 - 130	25	
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	94	ND	ND	ND	ND	NC	70 - 130	25	
Methylene Chloride	ND	0.860	ND	2.99	101	ND	ND	ND	ND	NC	70 - 130	25	
Naphthalene	ND	0.200	ND	1.05	113	ND	ND	ND	ND	NC	70 - 130	25	
n-Butylbenzene	ND	0.180	ND	0.99	93	ND	ND	ND	ND	NC	70 - 130	25	
o-Xylene	ND	0.230	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25	
Propylene	ND	0.580	ND	1.00	56	ND	ND	ND	ND	NC	70 - 130	25	I
sec-Butylbenzene	ND	0.180	ND	0.99	89	ND	ND	ND	ND	NC	70 - 130	25	
Styrene	ND	0.230	ND	0.98	94	ND	ND	ND	ND	NC	70 - 130	25	
Tetrachloroethene	ND	0.037	ND	0.25	97	ND	ND	ND	ND	NC	70 - 130	25	
Tetrahydrofuran	ND	0.340	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25	
Toluene	ND	0.270	ND	1.02	96	5.08	5.20	1.35	1.38	2.2	70 - 130	25	
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	102	ND	ND	ND	ND	NC	70 - 130	25	
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25	
Trichloroethene	ND	0.037	ND	0.20	93	ND	ND	ND	ND	NC	70 - 130	25	
Trichlorofluoromethane	ND	0.180	ND	1.01	97	1.06	1.09	0.189	0.195	NC	70 - 130	25	
Trichlorotrifluoroethane	ND	0.130	ND	1.00	90	ND	ND	ND	ND	NC	70 - 130	25	
Vinyl Chloride	ND	0.078	ND	0.20	104	ND	ND	ND	ND	NC	70 - 130	25	
% Bromofluorobenzene	102	%	102	%	99	106	102	106	102	NC	70 - 130	25	
% IS-1,4-Difluorobenzene	105	%	105	%	96	91	88	91	88	NC	60 - 140	25	
% IS-Bromochloromethane	107	%	107	%	95	90	88	90	88	NC	60 - 140	25	
% IS-Chlorobenzene-d5	104	%	104	%	106	90	88	90	88	NC	60 - 140	25	

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference
(ISO) - Isotope Dilution

Phyllis Shiller, Laboratory Director
January 06, 2026

Sample Criteria Exceedances Report

GCU98120 - IMPACT-ICL

Criteria: NY: AIRIA

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU98120	$AIR_NYTO15	Cis-1,2-Dichloroethene	NY / Air Guideline Values / Indoor Air	0.056	0.051	0.051	0.051	ppbv
CU98120	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.064	0.032	0.032	0.032	ppbv
CU98121	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.066	0.032	0.032	0.032	ppbv
CU98122	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.064	0.032	0.032	0.032	ppbv
CU98123	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.067	0.032	0.032	0.032	ppbv

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

CHAIN OF CUSTODY RECORD

AIR ANALYSES

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823
IMPACT-NJ

860-645-1102
email: greg@phoenixlabs.com

P.O. # 17518 Page 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: lmaldonado@impactenvironmentallaw.com
☐ Phone #:

Report to:	Luis Maldonado	Project Name: 5801 Amboy Road	Data Format: (Circle) Equis Excel Other:
Customer:	Impact Environmental	Invoice to: Christine Bell	Requested Deliverable: RCP ASP CAT B
Address:	1099 Wall Street		MCP NJ Deliverables
18386	Lyndhurst, NJ 07071	Sampled by: Angela DeVito	Quote Number:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15 + STM	APH	
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES		
98120	IA-3	49198	6.0L	-30	-2	10578	11.3	6:58	14:50	12/16/25	30	4	X			X		
98121	IA-2	53443	6.0L	-30	-4	6998	11.4	6:52	14:48	12/16/25	29	5	X			X		
98122	AA-1	23872	6.0L	-30	-3	10656	10.6	7:26	15:17	12/16/25	30	5	X			X		
98123	IA-1	53445	6.0L	-30	-7	5238	11.4	6:48	14:40	12/16/25	30	5	X			X		

Relinquished by:	Accepted by:	Date:	Time:
Angela DeVito / Impact		12/17	9:40
		12/17/25	17:45

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: _____ Date: _____

State Where Samples Collected: NY

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

(4) - 6.0L 8 hr

Turnaround Time:
1 Day* ☐
2 Day* ☐
3 Day* ☐
4 Day* ☐
5 Day* ☐
Standard ☒
*SURCHARGES MAY APPLY

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C TAC RES SVVC I/C SVVC RES GWV I/C GWV CES	Indoor Air: Residential Ind/Commercial Soil Gas: Residential Ind/Commercial	Indoor Air: Residential Ind/Commercial Soil Gas: Residential Ind/Commercial	(Vapor Intrusion)	Indoor Air Residential Non-residential	Indoor Air Residential Industrial Sub-slab Residential Industrial

GCU 98120

Tara Banning

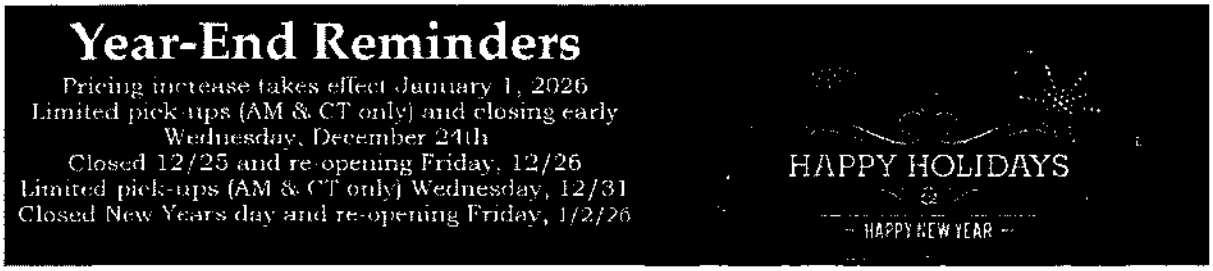
From: Michael Lapman
Sent: Wednesday, December 17, 2025 1:05 PM
To: Tara Banning
Subject: FW: Impact
Attachments: 20251217130304.pdf

Impact—ICL.

Thank you.

Regards,
Michael Lapman
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
Direct Line: 917.449.0850
www.phoenixlabs.com

PHOENIX
Environmental Laboratories, Inc.



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---

From: Tara Banning <tara@phoenixlabs.com>
Date: Wednesday, December 17, 2025 at 1:03 PM
To: Michael Lapman <michael@phoenixlabs.com>
Subject: Impact

Tara Banning
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike | Manchester, CT 06040
860-645-1102

Sarah Bell

From: Michael Lapman
Sent: Friday, January 02, 2026 11:31 AM
To: Sarah Bell
Subject: FW: Regarding GCU91820 and GCU98124 5801 Amboy Rd
Attachments: Indoor Air COC.pdf; Sub-Slab COC.pdf

Sarah:

Please see the below, can you add?

Thanks!

Regards,
Michael Lapman
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
Direct Line: 917.449.0850
www.phoenixlabs.com



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From: Luis Maldonado <lmaldonado@impactenvironmental.com>
Date: Friday, January 2, 2026 at 11:29 AM
To: Michael Lapman <michael@phoenixlabs.com>
Subject: Regarding GCU91820 and GCU98124 5801 Amboy Rd

Good morning, Michael,

I hope you had a wonderful holiday. I am reaching out because I was just checking lab results for the referenced lab IDs and I noticed that we forgot to circle “ASP Cat B” in the Requested Deliverables section, therefore, I was wondering if you could please update the reports for us because these data need to be validated by a third party lab.
Please let me know if you have any questions.

Thank you.

Luis Maldonado

LUIS MALDONADO | Associate Project Manager
O: 201-268-5686 C: 862-823-4620
1099 Wall Street West, Suite 250B, Lyndhurst, NJ 07071
Our email policies

PHOENIX
Environmental Laboratories, Inc.

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NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Impact Closures

5801 AMBOY ROAD

Laboratory Project: GCU98120

Volatile TO15
Ver 1

Organic Data Flags

LOD(MDL): Limit of Detection or Method Detection Limit
The minimum reportable concentration that can be measured with confidence.

PQL(RL): Practical Quantitation Level or Reporting Level
This value is at or above the MDL and is supported by the lowest calibration standard.

· · Q Qualifiers:

U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the “U” represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.

J - Indicates an estimated value, may indicate one of the following, depending on the situation:
a) The reported value is estimated and below the RL.
Compounds that are detected above MDL but below RL are qualified with a J flag.
b) Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.
c) QC associated with this analyte is within warning limits.

X - The concentration is not reported. This quantitation file was not evaluated for this compound at this dilution; a volatile purging or related issue may be the cause.

L - Biased Low

N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified.

S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

B - This compound was also present in the method blank

D - The reported concentration is the result of a diluted analysis. Samples that require dilution may result in elevated reporting limits that exceed requested criteria for one or more analytes.

E - The reported value is estimated because the concentration exceeded the calibration range.

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

P- Percent difference is greater than 25% between the two GC columns and the lower result is reported.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG: GCU98120

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: 5801 AMBOY ROAD, Impact Closures

Form 1 (Analysis):

No observations noted.

Detailed reference spectra will print 'Below Cal' for the full scan compounds that are reported from the SIM and are below the lowest calibration point in the full scan analysis. If analytes required manual integration. Manual integrations are flagged with an 'm' to indicate the analyte that required this process.

Form 2 (Surrogates):

All surrogates met criteria with the following exceptions: None.

Form 3 (Laboratory Control/Matrix Spike):

Sample: CU98007 LCS
All LCS recoveries met criteria with the following exceptions: Propylene 56%, Ethanol 133%, Acrylonitrile 153%, 2-Hexanone(MBK) 131%

Form 4 (Method Blank):

File: CHEM20 1216_26.D
All compounds were non-detect with the following exceptions: None.

Form 5 (Tune):

File: CHEM20 1204_13.D
All Tune criteria was met with the following exceptions: None.

File: CHEM20 1216_23.D
All Tune criteria was met with the following exceptions: None.

Form 6 (Initial Calibration):

Calibration: CHEM20 12/04/25 - 12/04/25
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.
All ICV recoveries met criteria (70-130) with the following exceptions: Acrylonitrile 136%, 1,4-Dioxane 134%,

Form 7 (Continuing Calibration):

File: CHEM20 1216_23.D (Opening)
98% of method compounds met criteria.
The following compounds did not meet maximum % deviations: Benzyl chloride 45.4% (30), Benzyl chloride(sim) 45.3% (30)

File: CHEM20 1216_45.D (Closing)
The following compounds did not meet maximum % deviations: Benzyl chloride 42.7% (30), Benzyl chloride(sim) 42.5% (30)

Form 8 (Internal Standard and Retention Time):

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SDG: GCU98120

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: 5801 AMBOY ROAD, Impact Closures

File: CHEM20 - 20_AIR_1204.M / 1216_23.D Full
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM20 - 20_AIR_1204.M / 1216_23.D Sim
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM20 - 20_AIR_1204.M / Average Full
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM20 - 20_AIR_1204.M / Average Sim
All samples met internal standard area and retention time critieria with the following exceptions: None.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.
Compounds that are detected above MDL but below RL are qualified with a J flag.



01/05/26

Alejandro Paredes
Project Manager

2C
AIR SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SDG: GCU98120

QC Batch Id: 819466 QC Sample Id: CU98007

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CU98007 LCS	CU98007 LCS	99				0
02	CU98007 BLANK	CU98007 BLANK	102				0
03	CU98007 QC	CU98007 QC	106				0
04	CU98007 DUP	CU98007 DUP	102				0
05	IA-3	CU98120	103				0
06	IA-2	CU98121	104				0
07	AA-1	CU98122	103				0
08	IA-1	CU98123	104				0
09							
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29							
30							

			QC LIMITS
SMC1	BFB	Bromofluorobenzene	(70-130)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II AIR

AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No: SAS No: SDG No GCU98120

LCS - Client Id: CU98007 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		5.556	56 *	70	130
Dichlorodifluoromethane	10		10.11	101	70	130
Chloromethane	10		10.76	108	70	130
1,2-Dichlorotetrafluoroethane	10		10.02	100	70	130
Vinyl Chloride	10		10.36	104	70	130
1,3-Butadiene	10		10.50	105	70	130
Bromomethane	10		9.253	93	70	130
Chloroethane	10		9.562	96	70	130
Ethanol	10		13.34	133 *	70	130
Acetone	10		10.79	108	70	130
Trichlorofluoromethane	10		9.702	97	70	130
Isopropylalcohol	10		11.45	115	70	130
Acrylonitrile	10		15.25	153 *	70	130
1,1-Dichloroethene	10		9.992	100	70	130
Methylene Chloride	10		10.07	101	70	130
Carbon Disulfide	10		9.001	90	70	130
Trichlorotrifluoroethane	10		8.963	90	70	130
Trans-1,2-Dichloroethene	10		10.25	103	70	130
1,1-Dichloroethane	10		9.769	98	70	130
Methyl tert-butyl ether(MTBE)	10		9.358	94	70	130
Methyl Ethyl Ketone	10		10.41	104	70	130
Cis-1,2-Dichloroethene	10		9.948	99	70	130
Hexane	10		10.05	101	70	130
Chloroform	10		9.735	97	70	130
Ethyl acetate	10		11.04	110	70	130
Tetrahydrofuran	10		10.40	104	70	130
1,2-Dichloroethane	10		10.42	104	70	130
1,1,1-Trichloroethane	10		9.422	94	70	130
Benzene	10		9.629	96	70	130
Carbon Tetrachloride	10		9.607	96	70	130
Cyclohexane	10		9.276	93	70	130
1,2-dichloropropane	10		9.986	100	70	130
Bromodichloromethane	10		10.15	102	70	130
Trichloroethene	10		9.307	93	70	130
2,2,4-trimethylpentane	10		9.924	99	70	130
1,4-Dioxane	10		12.96	130	70	130
Heptane	10		10.36	104	70	130
cis-1,3-Dichloropropene	10		9.606	96	70	130
4-Methyl-2-pentanone(MIBK)	10		11.64	116	70	130
trans-1,3-Dichloropropene	10		9.686	97	70	130
1,1,2-Trichloroethane	10		9.926	99	70	130
Toluene	10		9.612	96	70	130
Dibromochloromethane	10		10.25	103	70	130
2-Hexanone(MBK)	10		13.09	131 *	70	130

FORM III AIR

AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No: SAS No: SDG No GCU98120

LCS - Client Id: CU98007 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
1,2-Dibromoethane(EDB)	10		10.04	100	70	130
Tetrachloroethene	10		9.693	97	70	130
1,1,1,2-Tetrachloroethane	10		9.073	91	70	130
Chlorobenzene	10		9.545	95	70	130
Ethylbenzene	10		9.468	95	70	130
m,p-Xylene	20		19.05	95	70	130
Bromoform	10		10.15	102	70	130
Styrene	10		9.435	94	70	130
1,1,2,2-Tetrachloroethane	10		9.872	99	70	130
o-Xylene	10		9.290	93	70	130
Isopropylbenzene	10		8.982	90	70	130
4-Ethyltoluene	10		9.658	97	70	130
1,3,5-Trimethylbenzene	10		9.438	94	70	130
1,2,4-Trimethylbenzene	10		9.782	98	70	130
Benzyl chloride	10		8.958	90	70	130
1,3-Dichlorobenzene	10		9.756	98	70	130
1,4-Dichlorobenzene	10		9.992	100	70	130
sec-Butylbenzene	10		8.853	89	70	130
4-Isopropyltoluene	10		8.896	89	70	130
1,2-Dichlorobenzene	10		10.06	101	70	130
n-Butylbenzene	10		9.321	93	70	130
1,2,4-Trichlorobenzene	10		10.84	108	70	130
Naphthalene	10		11.35	114	70	130
Hexachlorobutadiene	10		9.13	91	70	130

FORM III AIR

4A

AIR METHOD BLANK SUMMARY

Client ID: CU98007 BLANK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98120

Lab File ID: 1216_26.D Lab Sample ID: CU98007 BLK

Date Analyzed: 12/17/2025 Time Analyzed: 13:08

GC Column: RTX-1 60M Lab Batch ID: 819466

Instrument ID: CHEM20 Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CU98007 LCS	CU98007 LCS	1216_25.D	12:37
02	CU98007 QC	CU98007	1216_28.D	19:29
03	CU98007 DUP	CU98007 DUP	1216_29.D	20:05
04	IA-3	CU98120	1216_32.D	21:55
05	IA-2	CU98121	1216_33.D	22:30
06	AA-1	CU98122	1216_34.D	23:05
07	IA-1	CU98123	1216_35.D	23:41
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COMMENTS:

FORM IV AIR

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98120

Lab File ID: 1204_13.D BFB Injection Date: 12/04/25

Instrument ID: CHEM20 BFB Injection Time: 15:12

GC Column: RTX-1 60M Heated Purge: (Y/N) Y

AutoFind: Scans 1081, 1082, 1083; Background Corrected with Scan 1075

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
50	8.0 - 40.0% of mass 95	21.9			
75	30.0 - 66.0% of mass 95	46.9			
95	Base Peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.7			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	50.0 - 120.0% of mass 95	80.1			
175	4.0 - 9.0% of mass 174	7.9	(	6.3	)1
176	93.0 - 101.0% of mass 174	97.7	(	78.3	)1
177	5.0 - 9.0% of mass 176	6.5	(	5.1	)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	ICAL 0.01	0.01 ppb; TO1515A	1204_14.D	12/04/25	16:03	
02	ICAL 0.02	0.02 ppb; TO1515A	1204_15.D	12/04/25	16:36	
03	ICAL 0.035	0.035 ppb; TO1515A	1204_16.D	12/04/25	17:10	
04	ICAL 0.05	0.05 ppb; TO1515A	1204_17.D	12/04/25	17:45	
05	ICAL 0.1	0.10 ppb; TO1515A	1204_18.D	12/04/25	18:17	
06	ICAL 0.2	0.20 ppb; TO1515A	1204_19.D	12/04/25	18:49	
07	ICAL 0.5	0.50 ppb; TO1515A	1204_20.D	12/04/25	19:23	
08	ICAL 2.5	2.5 ppb; TO1514Z	1204_21.D	12/04/25	19:58	
09	ICAL 5	5.0 ppb; TO1514Y	1204_22.D	12/04/25	20:30	
10	ICAL 25	25 ppb; TO1514Y	1204_23.D	12/04/25	21:04	
11	ICAL 40	40ppb; TO1514Y	1204_24.D	12/04/25	21:41	
12	ICAL 1	1ppb tune/cc; TO1514Z	1204_25.D	12/04/25	22:13	
13	ICAL 10	10ppb; TO1514Y	1204_26.D	12/04/25	22:46	
14	ICV_CHEM20_1204	10ppb lcs; TO1514X	1204_27.D	12/04/25	23:20	
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(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_13.D
Acq On : 4 Dec 2025 3:12 pm
Operator :
Sample : 0/0; ITSD AIR36F
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Title : VOA Standards for 5 point calibration
Last Update : Fri Dec 05 08:55:16 2025

AutoFind: Scans 1081, 1082, 1083; Background Corrected with Scan 1075

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	41	21.9	103963	PASS
75	95	30	66	46.9	223360	PASS
95	95	100	100	100.0	475797	PASS
96	95	5	9	6.7	31757	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	80.1	381184	PASS
175	174	4	9	7.9	29941	PASS
176	174	93	101	97.7	372501	PASS
177	176	5	9	6.5	24325	PASS

20_AIR_1204.M Fri Dec 05 08:56:49 2025

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98120

Lab File ID: 1216_23.D BFB Injection Date: 12/17/25

Instrument ID: CHEM20 BFB Injection Time: 11:30

GC Column: RTX-1 60M Heated Purge: (Y/N) Y

AutoFind: Scans 1081, 1082, 1083; Background Corrected with Scan 1075

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
50	8.0 - 40.0% of mass 95	24.4			
75	30.0 - 66.0% of mass 95	48.6			
95	Base Peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.8			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	50.0 - 120.0% of mass 95	81.1			
175	4.0 - 9.0% of mass 174	7.4	(	6.0	)1
176	93.0 - 101.0% of mass 174	96.2	(	78.0	)1
177	5.0 - 9.0% of mass 176	6.7	(	5.2	)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 1	1ppb ccal; TO1516S	1216_23.D	12/17/25	11:30	
02	CU98007 LCS	CU98007 LCS	1216_25.D	12/17/25	12:37	
03	CU98007 BLANK	CU98007 BLANK	1216_26.D	12/17/25	13:08	
04	CU98007 QC	CU98007 QC	1216_28.D	12/17/25	19:29	
05	CU98007 DUP	CU98007 DUP	1216_29.D	12/17/25	20:05	
06	IA-3	CU98120	1216_32.D	12/17/25	21:55	
07	IA-2	CU98121	1216_33.D	12/17/25	22:30	
08	AA-1	CU98122	1216_34.D	12/17/25	23:05	
09	IA-1	CU98123	1216_35.D	12/17/25	23:41	
10	CCCAL 1	1ppb ccal; TO1516S	1216_45.D	12/18/25	09:06	
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25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : C:\AIR2025\Chem20\12DEC\16\
Data File : 1216_23.D
Acq On : 17 Dec 2025 11:30 am
Operator :
Sample : 1ppb ccal; TO1516S
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM20\METHODS\20_AIR_1204.M
Title : VOA Standards for 5 point calibration
Last Update : Fri Dec 05 08:55:16 2025

AutoFind: Scans 1081, 1082, 1083; Background Corrected with Scan 1075

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	41	24.4	138739	PASS
75	95	30	66	48.6	276501	PASS
95	95	100	100	100.0	568811	PASS
96	95	5	9	6.8	38555	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	81.1	461355	PASS
175	174	4	9	7.4	34120	PASS
176	174	93	101	96.2	443861	PASS
177	176	5	9	6.7	29784	PASS

20_AIR_1204.M Wed Dec 17 12:29:14 2025

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU98120

Lab Method / File Id: 20_AIR_1204.M / Average Date Analyzed: 12/04/25

Instrument ID: CHEM20 Time Analyzed: 22:13

GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

		IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
	REFERENCE STD	275389	6.94	1052526	8.12	608853	10.62			Average
	UPPER LIMIT	386921	7.27	1478799	8.45	855438	10.95			Average
	LOWER LIMIT	163856	6.61	626253	7.79	362267	10.29			Average
	CLIENT ID									
01	ICAL 0.2	288446	6.94	1089444	8.12	588570	10.62			1204_19.D
02	ICAL 0.5	286029	6.94	1082448	8.12	576143	10.62			1204_20.D
03	ICAL 2.5	275953	6.94	1046471	8.12	577526	10.62			1204_21.D
04	ICAL 5	272425	6.94	1038645	8.12	585771	10.62			1204_22.D
05	ICAL 25	254474	6.94	984506	8.12	635253	10.62			1204_23.D
06	ICAL 40	251925	6.94	991659	8.12	680977	10.62			1204_24.D
07	ICAL 1	297897	6.94	1138574	8.12	608542	10.62			1204_25.D
08	ICAL 10	275962	6.94	1048460	8.12	618040	10.62			1204_26.D
09	ICV_CHEM20_1204	276866	6.94	1052151	8.12	623894	10.62			1204_27.D
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
AREA LOWER LIMIT = - 60% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU98120

Lab Method / File Id: 20_AIR_1204.M / Average Date Analyzed: 12/04/25

Instrument ID: CHEM20 Time Analyzed: 22:13

GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

		IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
	REFERENCE STD	294357	6.94	1087775	8.12	589779	10.62			Average
	UPPER LIMIT	413571	7.27	1528324	8.45	828640	10.95			Average
	LOWER LIMIT	175142	6.61	647226	7.79	350919	10.29			Average
	CLIENT ID									
01	ICAL 0.01	298564	6.95	1105572	8.12	584572	10.62			1204_14.D
02	ICAL 0.02	299700	6.95	1104813	8.12	591726	10.62			1204_15.D
03	ICAL 0.035	300708	6.95	1109443	8.12	583277	10.62			1204_16.D
04	ICAL 0.05	302342	6.94	1115649	8.12	592119	10.62			1204_17.D
05	ICAL 0.1	295350	6.95	1086004	8.12	581288	10.62			1204_18.D
06	ICAL 0.2	297392	6.95	1089444	8.12	588570	10.62			1204_19.D
07	ICAL 0.5	292457	6.95	1082448	8.12	576143	10.62			1204_20.D
08	ICAL 2.5	282291	6.95	1046471	8.12	577526	10.62			1204_21.D
09	ICAL 5	279402	6.95	1038645	8.12	585771	10.62			1204_22.D
10	ICAL 1	306439	6.95	1138574	8.12	608542	10.62			1204_25.D
11	ICAL 10	283279	6.95	1048460	8.12	618040	10.62			1204_26.D
12										
13										
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17										
18										
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20										
21										
22										

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
AREA LOWER LIMIT = - 60% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU98120

Lab Method / File Id: 20_AIR_1204.M / 1216_23.D Date Analyzed: 12/17/25

Instrument ID: CHEM20 Time Analyzed: 11:30

GC Column: RTX-1 60M ID: 0.18 (mm) Heated Purge:(Y/N) Y

		IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#			LAB FILE ID
	REFERENCE STD	348710		6.94		1311539		8.12		703545		10.62				1216_23.D
	UPPER LIMIT	489938		7.27		1842712		8.45		988481		10.95				1216_23.D
	LOWER LIMIT	207482		6.61		780366		7.79		418609		10.29				1216_23.D
	CLIENT ID															
01	CCAL 1	348710		6.94		1311539		8.12		703545		10.62				1216_23.D
02	CU98007 LCS	330244		6.94		1255950		8.12		746432		10.62				1216_25.D
03	CU98007 BLANK	372763		6.94		1374035		8.12		732794		10.62				1216_26.D
04	CU98007 QC	315180		6.95		1189853		8.12		630807		10.62				1216_28.D
05	CU98007 DUP	307088		6.95		1152871		8.12		617607		10.62				1216_29.D
06	IA-3	311314		6.95		1177053		8.13		640321		10.62				1216_32.D
07	IA-2	301731		6.95		1134507		8.13		624276		10.62				1216_33.D
08	AA-1	305759		6.95		1145891		8.12		614162		10.62				1216_34.D
09	IA-1	291580		6.95		1082336		8.12		597331		10.62				1216_35.D
10	CCCAL 1	277944		6.95		1041741		8.12		562724		10.62				1216_45.D
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																

IS1 (BCM) = Bromochloromethane
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RT LOWER LIMIT = -0.33 minutes of internal standard RT

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* Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU98120

Lab Method / File Id: 20_AIR_1204.M / 1216_23.D Date Analyzed: 12/17/25

Instrument ID: CHEM20 Time Analyzed: 11:30

GC Column: RTX-1 60M ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#			LAB FILE ID
REFERENCE STD	365181		6.95		1311539		8.12		703545		10.62				1216_23.D
UPPER LIMIT	513079		7.28		1842712		8.45		988481		10.95				1216_23.D
LOWER LIMIT	217283		6.62		780366		7.79		418609		10.29				1216_23.D
CLIENT ID															
01 CCAL 1	365181		6.95		1311539		8.12		703545		10.62				1216_23.D
02 CU98007 LCS	350054		6.95		1255950		8.12		746432		10.62				1216_25.D
03 CU98007 BLANK	388369		6.95		1374035		8.12		732794		10.62				1216_26.D
04 CU98007 QC	334945		6.95		1189853		8.12		630807		10.62				1216_28.D
05 CU98007 DUP	325338		6.95		1152871		8.12		617607		10.62				1216_29.D
06 IA-3	331384		6.95		1177053		8.13		640321		10.62				1216_32.D
07 IA-2	321431		6.95		1134507		8.13		624276		10.62				1216_33.D
08 AA-1	326781		6.95		1145891		8.12		614162		10.62				1216_34.D
09 IA-1	306360		6.95		1082336		8.12		597331		10.62				1216_35.D
10 CCCAL 1	298195		6.95		1041741		8.12		562724		10.62				1216_45.D
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															

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IS2 (DFB) = 1,4-Difluorobenzene
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RT UPPER LIMIT = +0.33 minutes of internal standard RT
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Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

CLIENT ID

AIR ANALYSIS DATA SHEET

IA-3

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98120

Canister: 49198 Lab File ID: 1216_32.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	1.28		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.450		0.202	0.202	r
74-87-3	Chloromethane	0.692		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	649	ES	0.531	0.531	r
67-64-1	Acetone	26.9	S	0.421	0.421	r
67-63-0	Isopropylalcohol	245	ES	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	3.06		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
67-66-3	Chloroform	0.742		0.205	0.205	r
141-78-6	Ethyl acetate	0.652		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.331		0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.404		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.483		0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
99-87-6	4-Isopropyltoluene	0.265		0.182	0.182	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1

CLIENT ID

AIR ANALYSIS DATA SHEET

IA-3

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98120

Canister: 49198 Lab File ID: 1216_32.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.182		0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.064		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.056		0.051	0.051	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.116		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_32.D
Acq On : 17 Dec 2025 9:55 pm
Operator :
Client ID : IA-3
Lab ID : CU98120
ALS Vial : 28 Sample Multiplier: 1

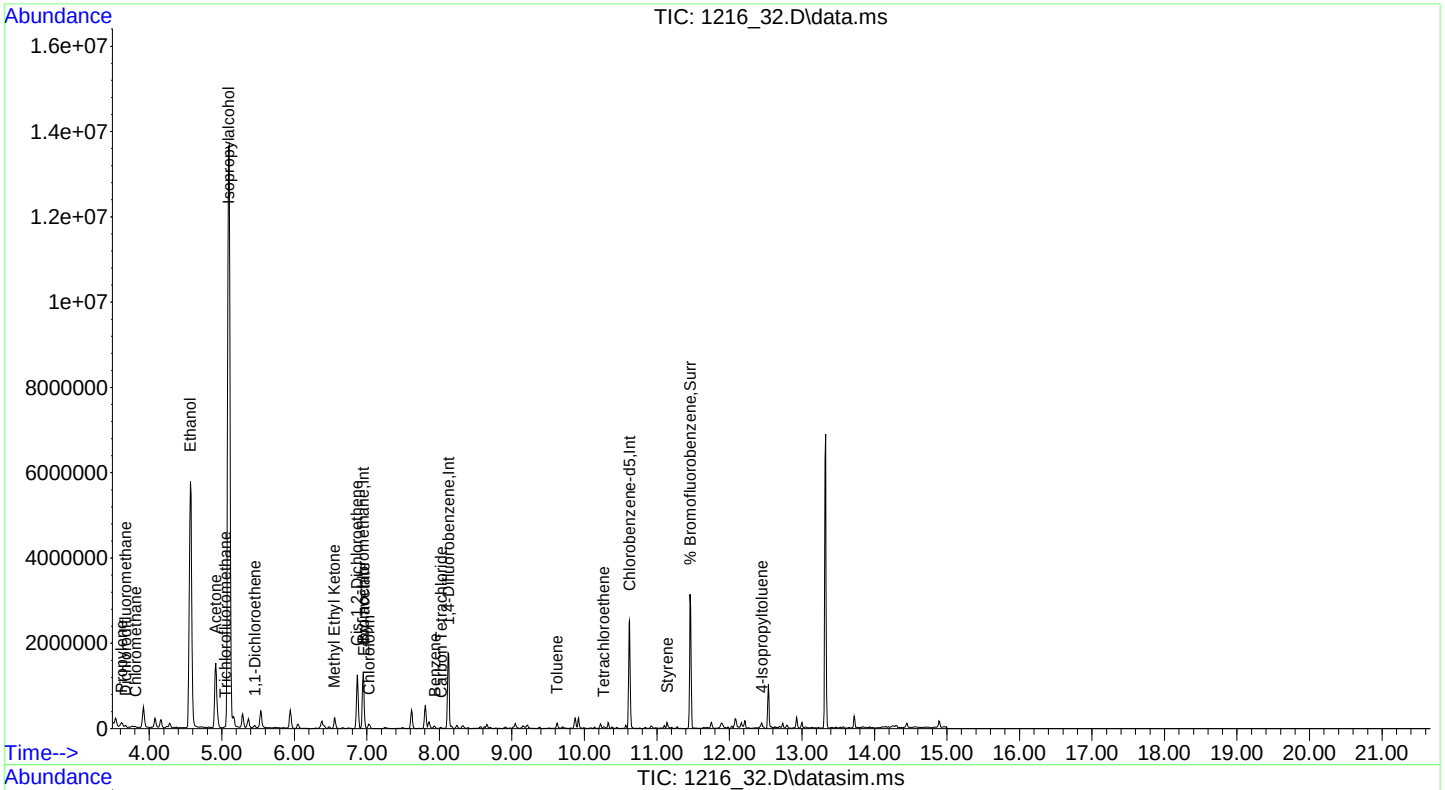
Quant Time: Dec 18 11:20:06 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

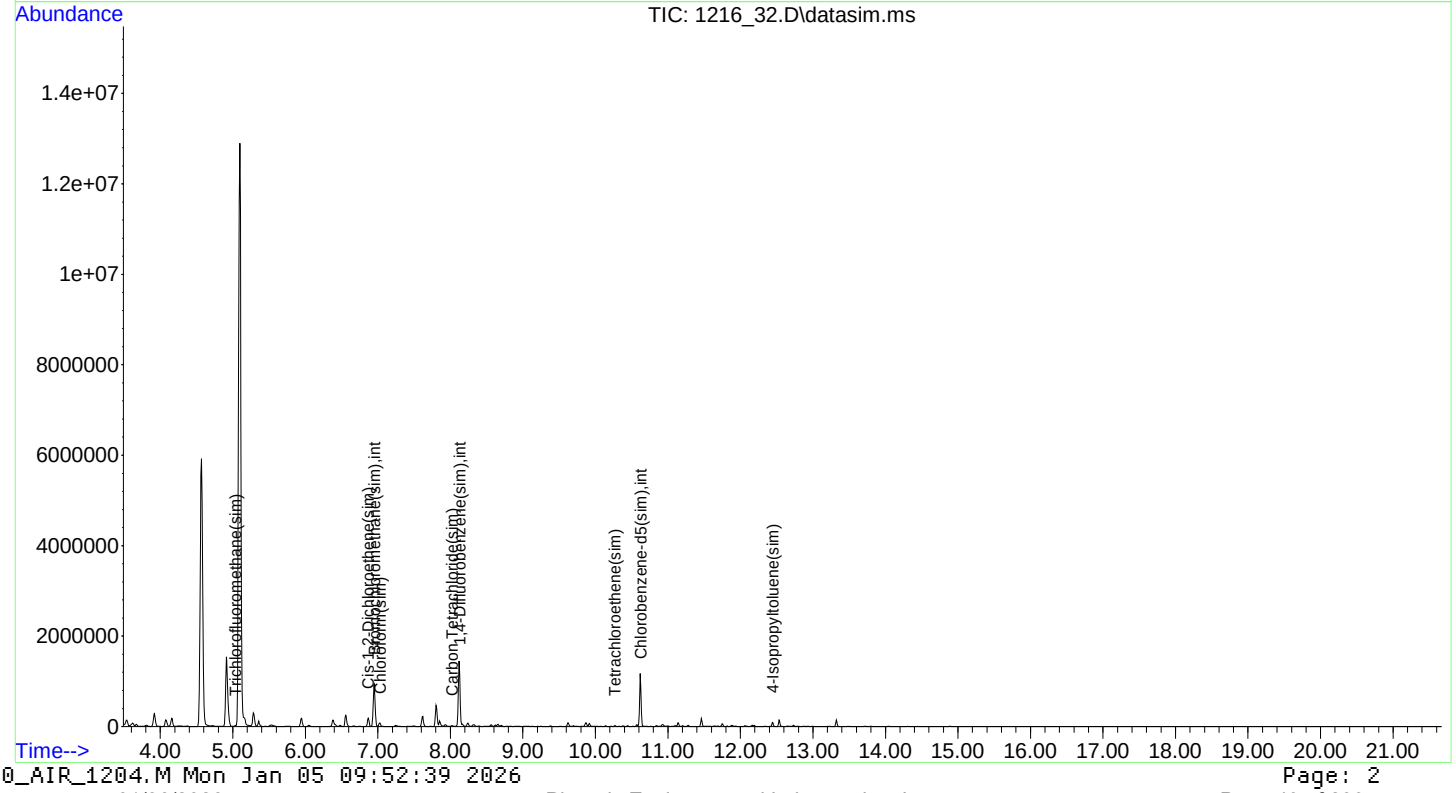
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.950	130	311314	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.127	114	1177053	10.000	ng		0.00
53) Chlorobenzene-d5	10.624	82	640321	10.000	ng		0.00
80) Bromochloromethane(sim)	6.953	130	331384	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.127	114	1177053	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.624	82	640321	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	867115	10.306	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.10%				
Target Compounds							Qvalue
2) Propylene	3.618	41	50319	1.283	ppbv#		82
3) Dichlorodifluoromethane	3.674	85	40333	0.450	ppbv#		97
4) Chloromethane	3.812	50	29185	0.692	ppbv		95
11) Ethanol	4.567	45	8212414	649.412	ppbv#		39
12) Acetone	4.916	43	1903869	26.877	ppbv#		78
13) Trichlorofluoromethane	5.045	101	17636	0.193	ppbv#		94
14) Isopropylalcohol	5.094	45	19524131	245.024	ppbv#		94
16) 1,1-Dichloroethene	5.457	61	7658	0.110	ppbv#		34
25) Methyl Ethyl Ketone	6.553	43	317464	3.059	ppbv#		93
26) Cis-1,2-Dichloroethene	6.865	61	4080	0.063	ppbv#		23
28) Chloroform	7.027	83	55384	0.742	ppbv		90
29) Ethyl acetate	6.958	61	9749	0.652	ppbv#		67
33) Benzene	7.937	78	37838	0.331	ppbv#		89
34) Carbon Tetrachloride	8.023	117	4976	0.066	ppbv		93
48) Toluene	9.623	91	57673	0.404	ppbv		96
52) Tetrachloroethene	10.264	166	7956	0.119	ppbv		95
59) Styrene	11.140	104	46386	0.482	ppbv#		41
74) 4-Isopropyltoluene	12.445	119	54583	0.265	ppbv		100
84] Trichlorofluoromethane...	5.040	101	18598	0.181	ppbv#		100
88] Carbon Tetrachloride(sim)	8.026	117	5171	0.064	ppbv		99
93] Cis-1,2-Dichloroethene...	6.865	61	4080	0.056	ppbv#		23
94] Chloroform(sim)	7.030	83	59711	0.713	ppbv		97
104] Tetrachloroethene(sim)	10.267	166	8686	0.116	ppbv		93
113] 4-Isopropyltoluene(sim)	12.445	119	54583	0.235	ppbv#		87

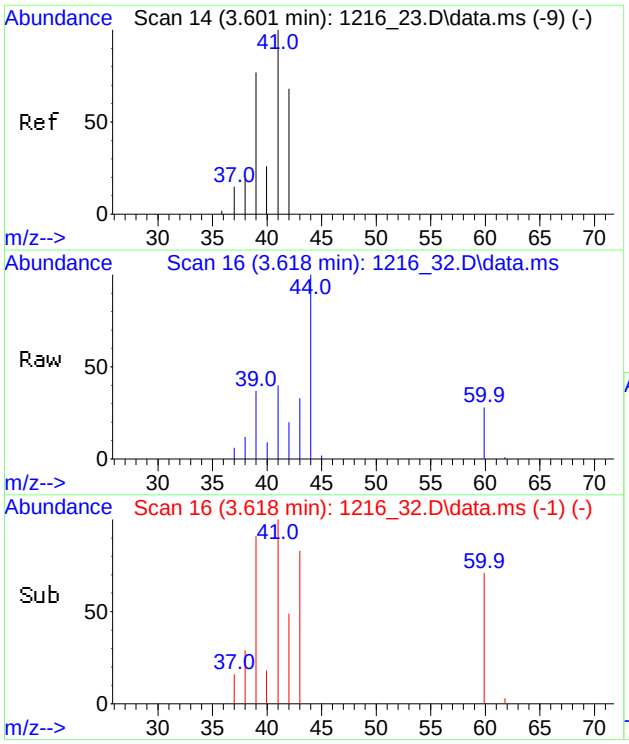
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_32.D
Acq On : 17 Dec 2025 9:55 pm
Operator :
Client ID : IA-3
Lab ID : CU98120
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 18 11:20:06 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration



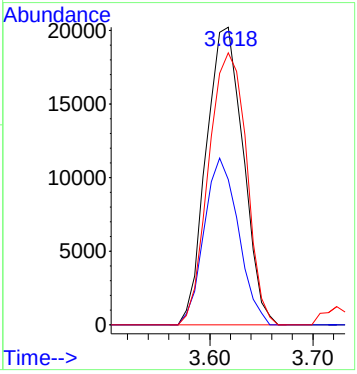


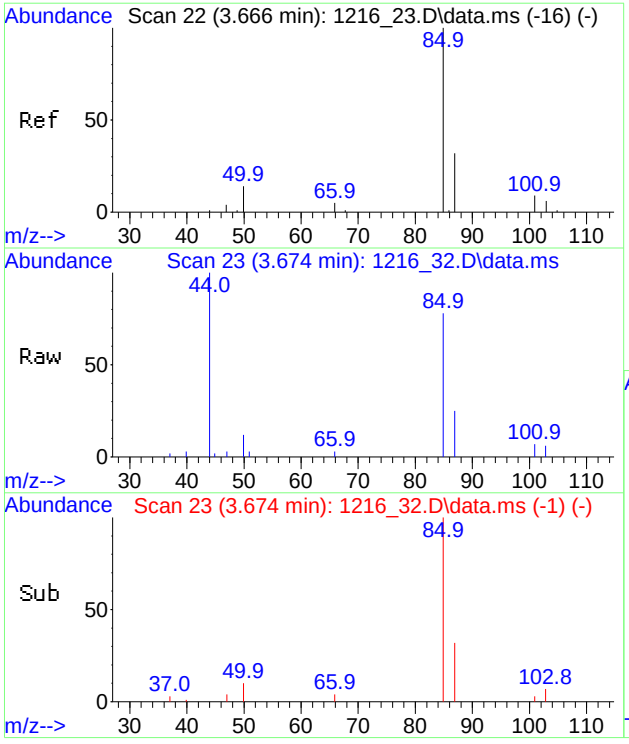


#2
Propylene
Conc: 8$ 1.283 ppbv
RT: 3.618 min Scan# 16
Delta R.T. 0.016 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 41 Resp: 50319

Ion	Ratio	Lower	Upper
41	100		
42	51.9	58.3	87.5#
39	93.5	66.3	99.5

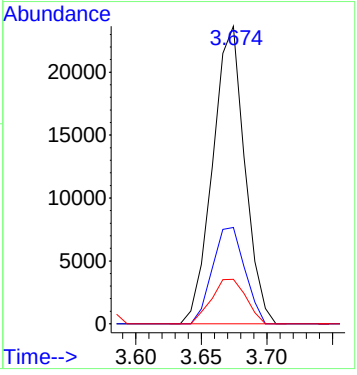


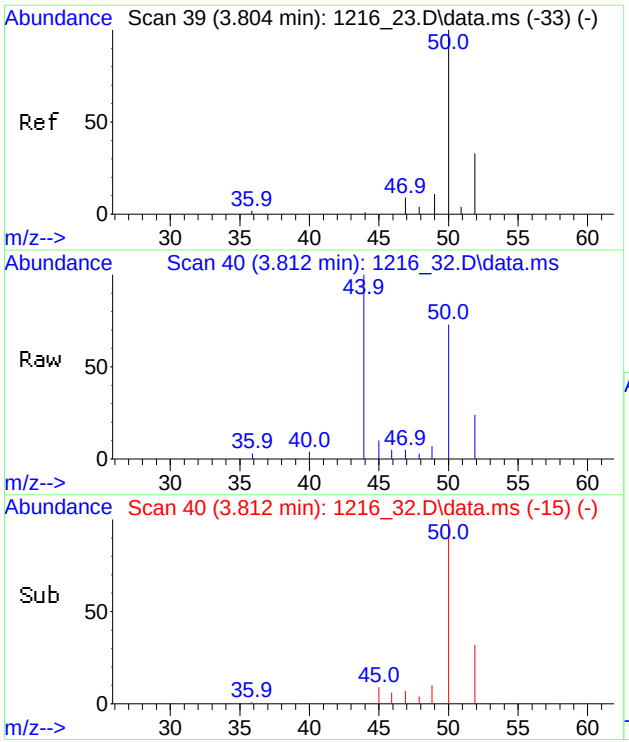


#3
Dichlorodifluoromethane
Conc: 8$ 0.450 ppbv
RT: 3.674 min Scan# 23
Delta R.T. 0.008 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 85 Resp: 40333

Ion	Ratio	Lower	Upper
85	100		
87	32.7	25.8	38.8
50	16.1	10.6	15.8#

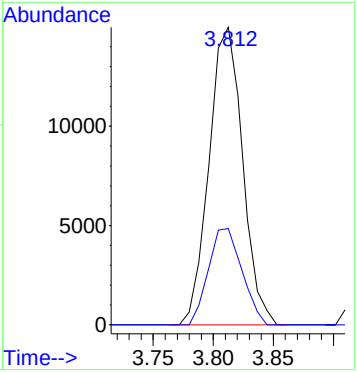


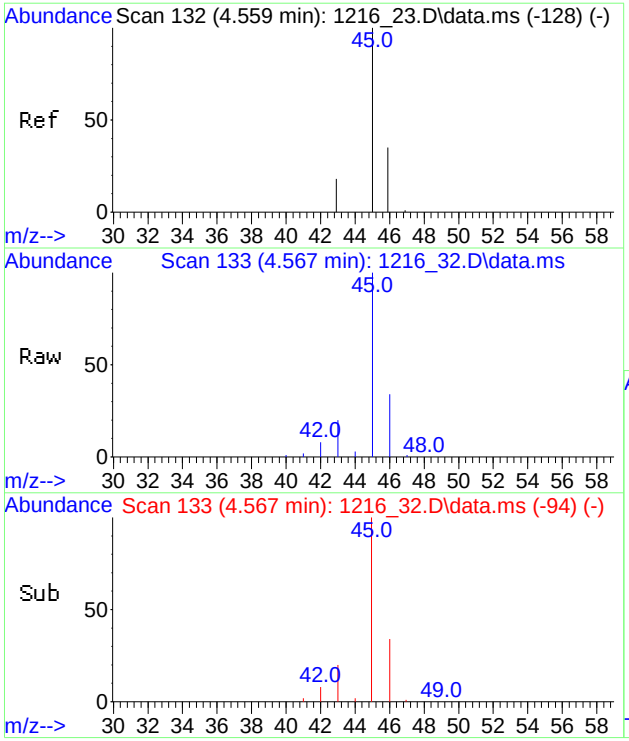


#4
Chloromethane
Conc: 8$ 0.692 ppbv
RT: 3.812 min Scan# 40
Delta R.T. 0.000 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 50 Resp: 29185

Ion	Ratio	Lower	Upper
50	100		
52	32.4	15.5	55.5

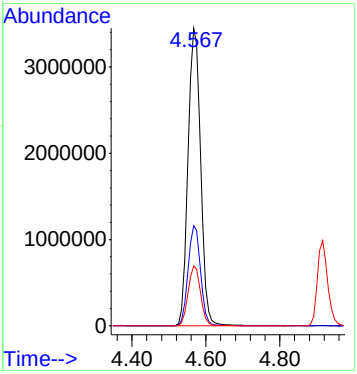


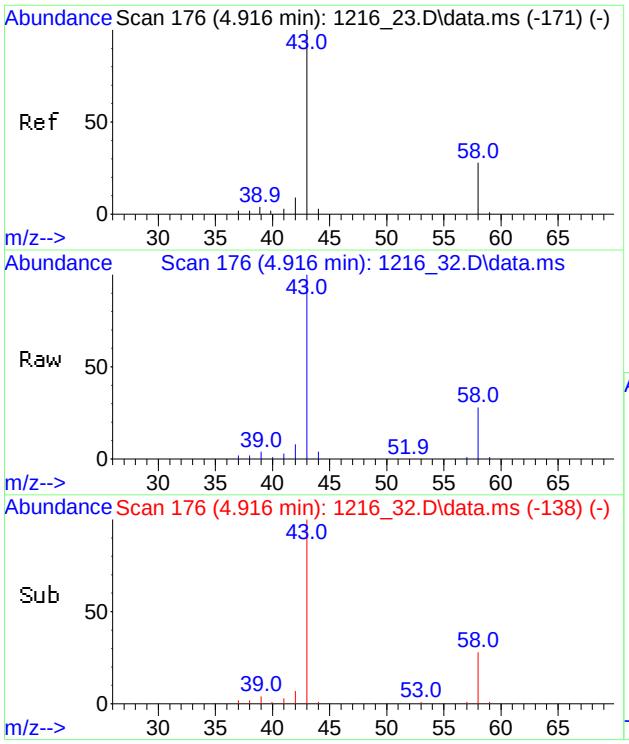


#11
Ethanol
Conc: 8$ 649.412 ppbv
RT: 4.567 min Scan# 133
Delta R.T. 0.016 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 45 Resp: 8212414

Ion	Ratio	Lower	Upper
45	100		
46	33.1	0.6	0.8#
43	19.7	0.0	0.0#

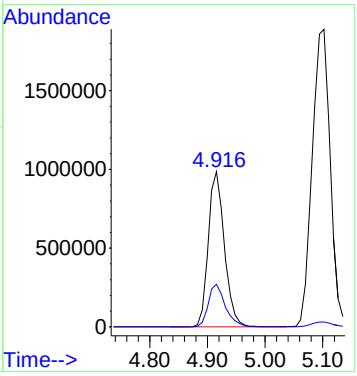


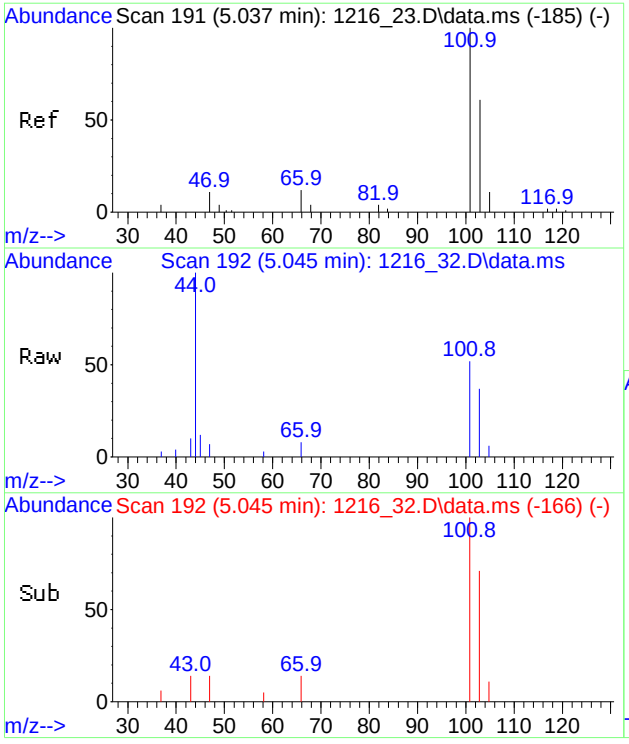


#12
Acetone
Conc: 8$ 26.877 ppbv
RT: 4.916 min Scan# 176
Delta R.T. 0.008 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 43 Resp: 1903869

Ion	Ratio	Lower	Upper
43	100		
58	29.0	0.2	0.2#

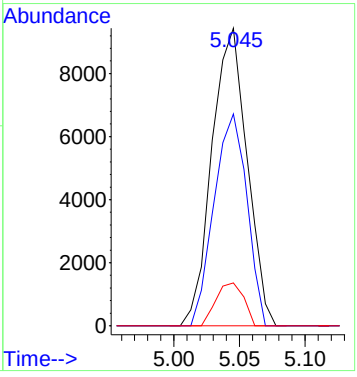


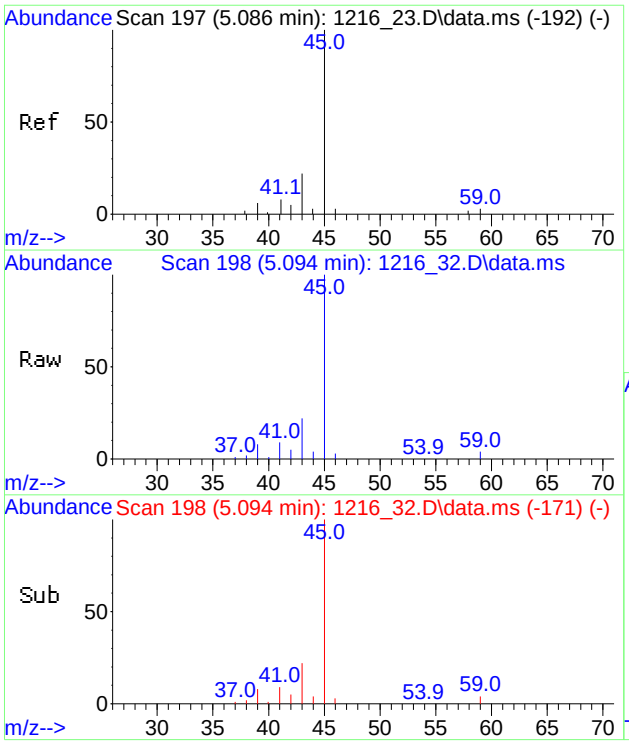


#13
Trichlorofluoromethane
Conc: 8$ 0.193 ppbv
RT: 5.045 min Scan# 192
Delta R.T. 0.008 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion:101 Resp: 17636

Ion	Ratio	Lower	Upper
101	100		
103	66.2	49.8	74.8
66	11.4	12.1	18.1#

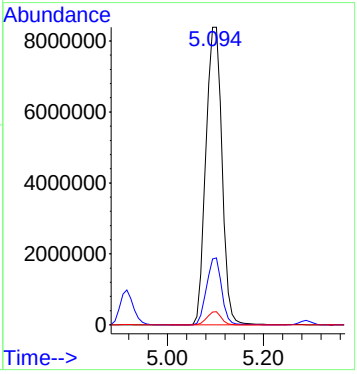


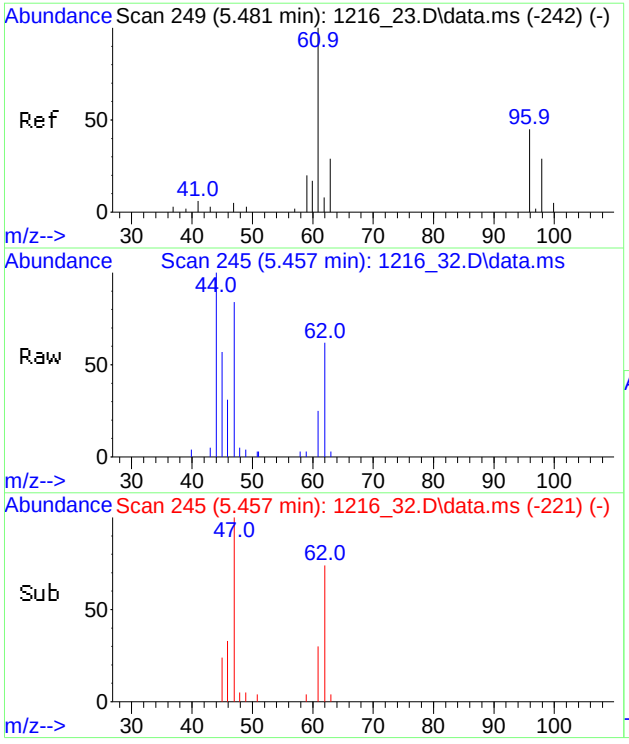


#14
Isopropylalcohol
Conc: 8$ 245.024 ppbv
RT: 5.094 min Scan# 198
Delta R.T. 0.016 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 45 Resp:19524131

Ion	Ratio	Lower	Upper
45	100		
43	21.1	0.0	0.0#
59	4.0	0.6	1.0#

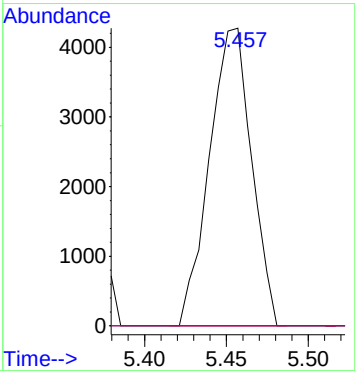


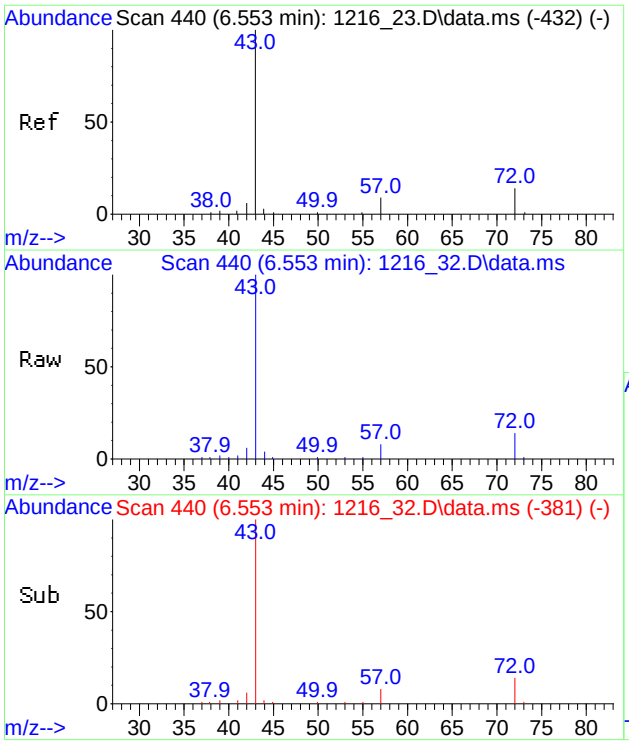


#16
1,1-Dichloroethene
Conc: 8$ Below Cal
RT: 5.457 min Scan# 245
Delta R.T. -0.024 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 61 Resp: 7658

Ion	Ratio	Lower	Upper
61	100		
96	0.0	39.5	59.3#
98	0.0	24.2	36.2#

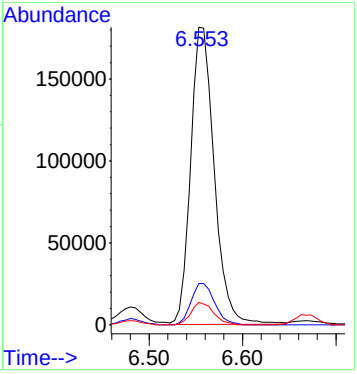


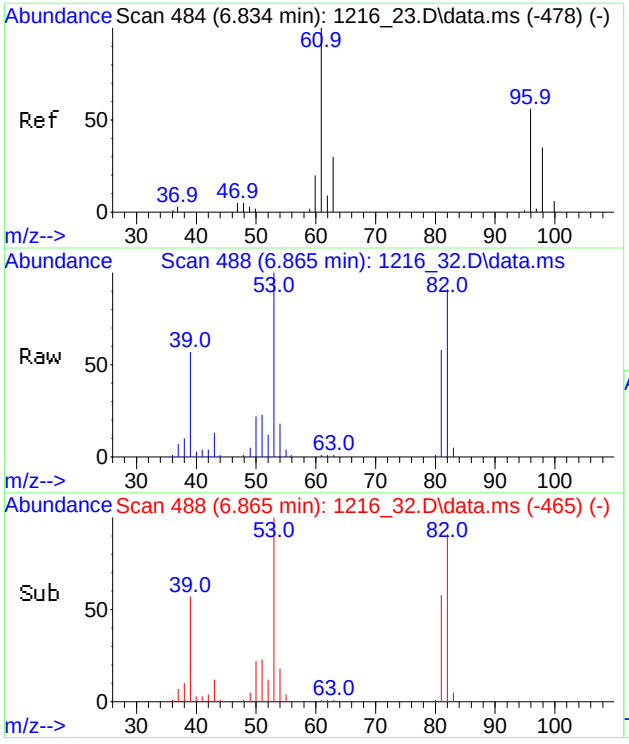


#25
Methyl Ethyl Ketone
Conc: 8$ 3.059 ppbv
RT: 6.553 min Scan# 440
Delta R.T. 0.010 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 43 Resp: 317464

Ion	Ratio	Lower	Upper
43	100		
72	13.9	0.0	0.0#
57	7.3	0.2	0.4#

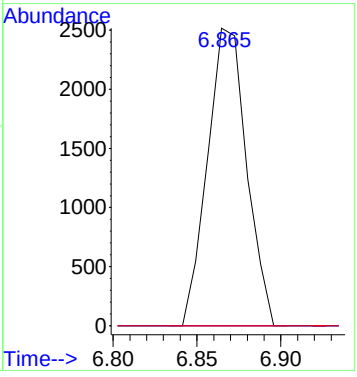


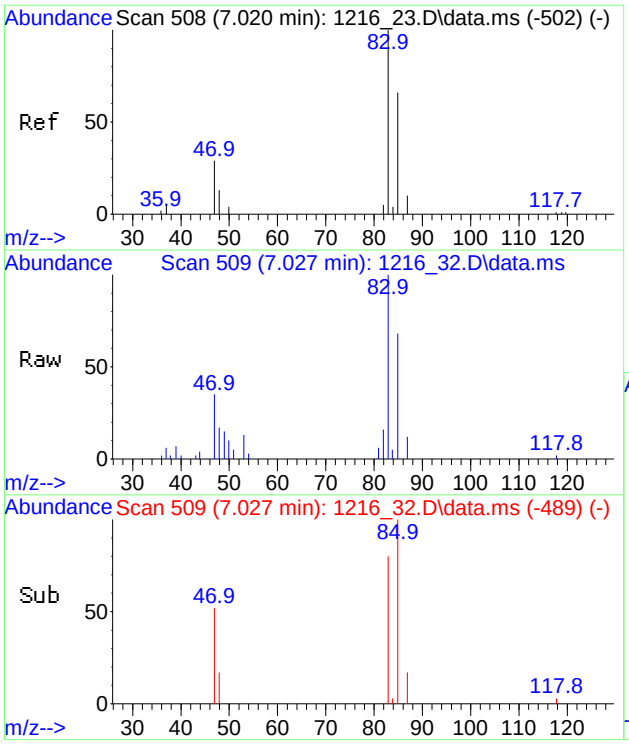


#26
Cis-1,2-Dichloroethene
Conc: 8$ Below Cal
RT: 6.865 min Scan# 488
Delta R.T. 0.031 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 61 Resp: 4080

Ion	Ratio	Lower	Upper
61	100		
96	0.0	52.8	79.2#
98	0.0	36.0	54.0#

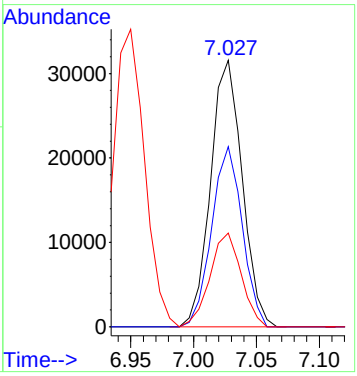


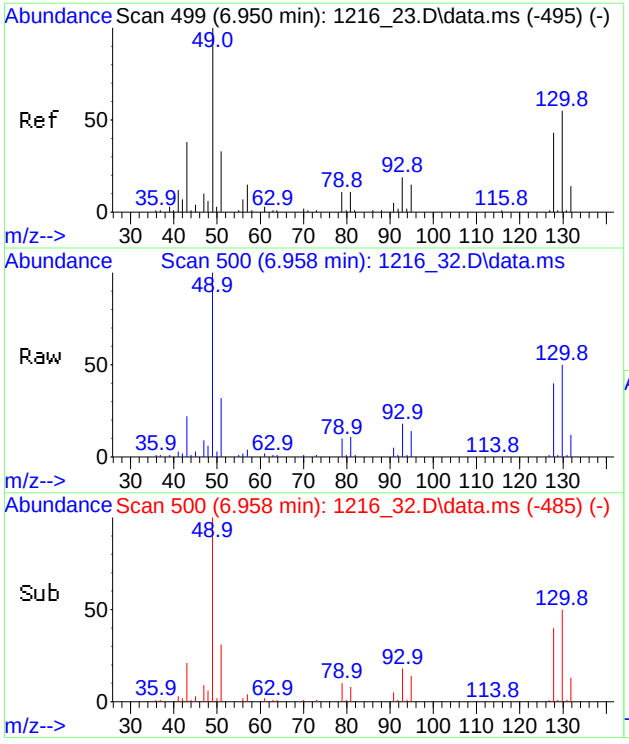


#28
Chloroform
Conc: 8$ 0.742 ppbv
RT: 7.027 min Scan# 509
Delta R.T. 0.007 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 83 Resp: 55384

Ion	Ratio	Lower	Upper
83	100		
85	65.2	39.7	79.7
47	34.8	7.3	47.3

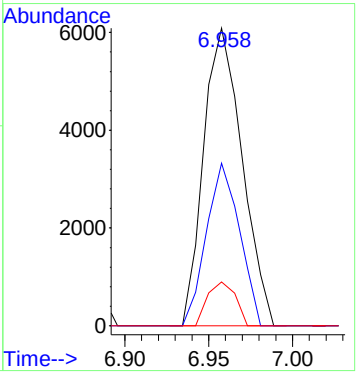


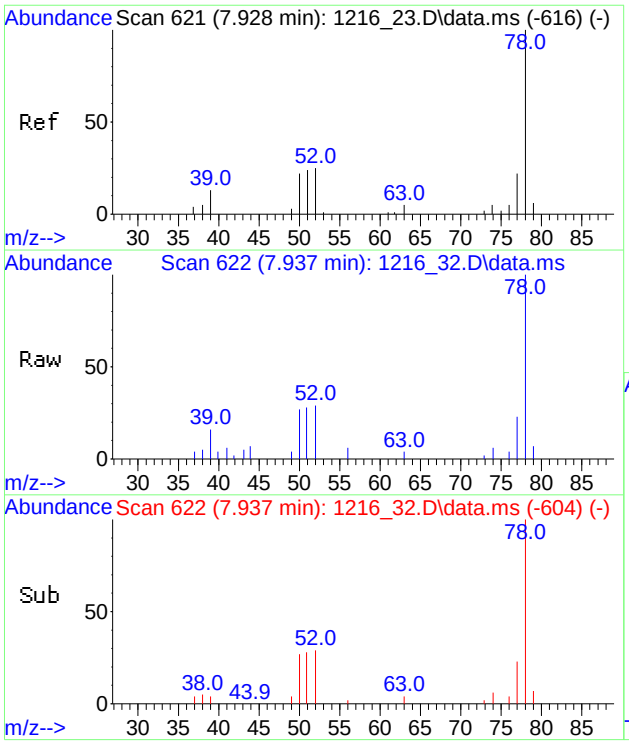


#29
Ethyl acetate
Conc: 8$ 0.652 ppbv
RT: 6.958 min Scan# 500
Delta R.T. 0.016 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 61 Resp: 9749

Ion	Ratio	Lower	Upper
61	100		
70	46.9	62.8	94.2#
88	10.7	14.7	22.1#

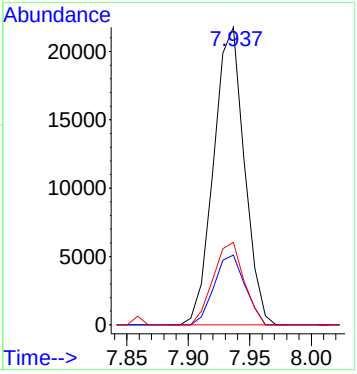


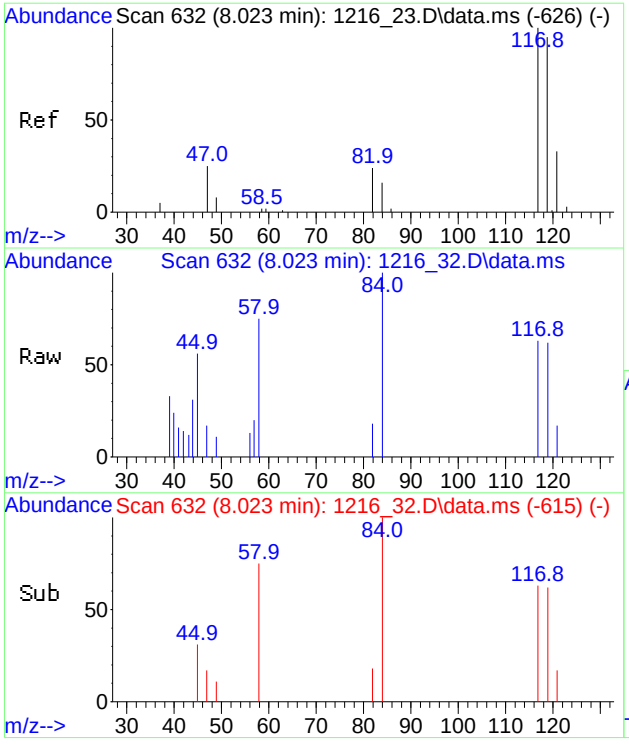


#33
Benzene
Conc: 8$ 0.331 ppbv
RT: 7.937 min Scan# 622
Delta R.T. 0.009 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 78 Resp: 37838

Ion	Ratio	Lower	Upper
78	100		
77	23.6	17.4	26.0
51	27.8	15.8	23.6#

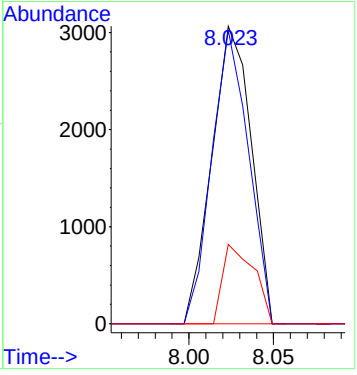


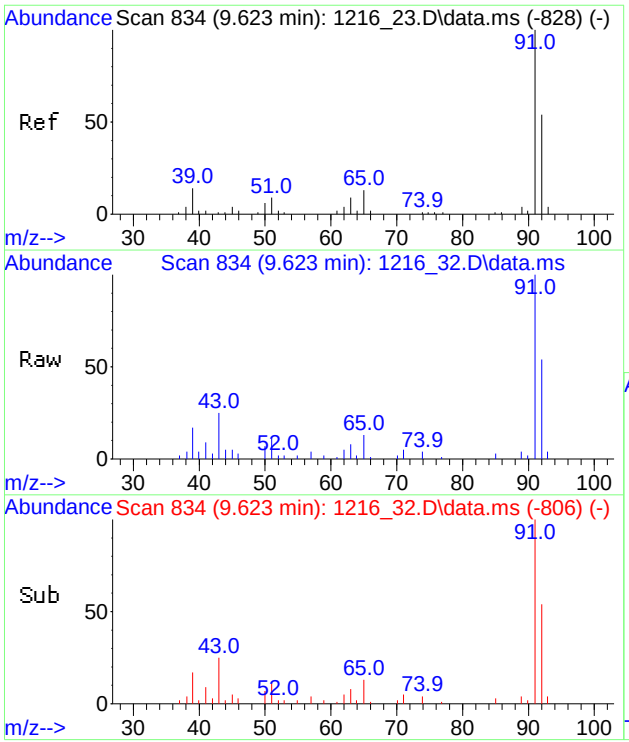


#34
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 8.023 min Scan# 632
Delta R.T. 0.000 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion:117 Resp: 4976

Ion	Ratio	Lower	Upper
117	100		
119	91.7	74.9	114.9
121	21.2	11.2	51.2

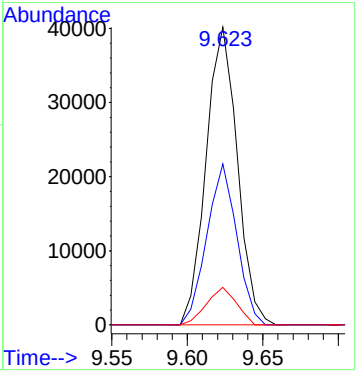


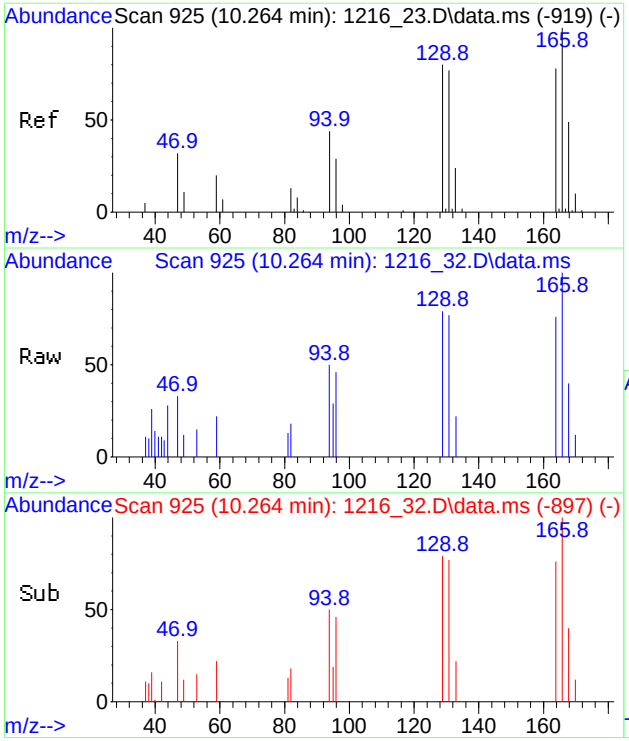


#48
Toluene
Conc: 8$ 0.404 ppbv
RT: 9.623 min Scan# 834
Delta R.T. -0.001 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 91 Resp: 57673

Ion	Ratio	Lower	Upper
91	100		
92	51.9	43.8	65.8
65	12.0	10.6	16.0

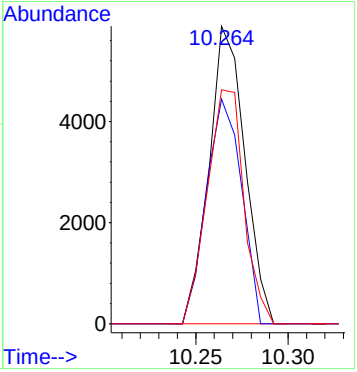


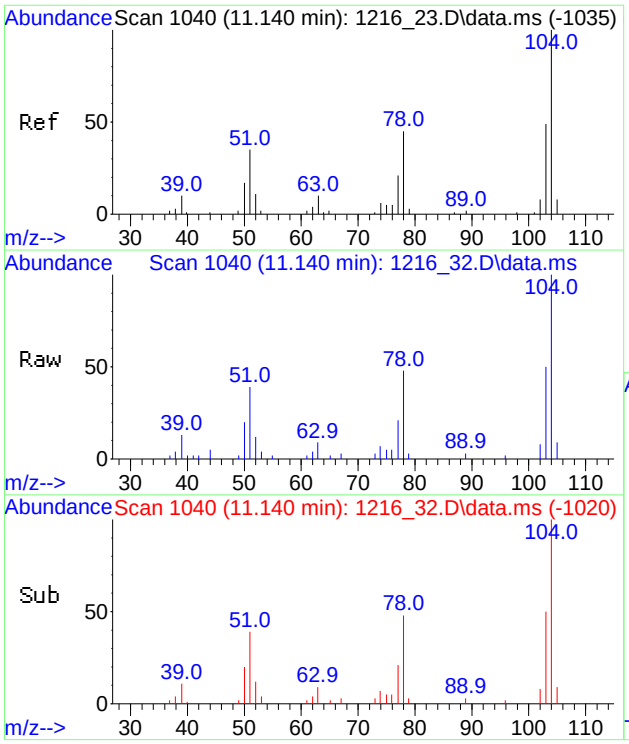


#52
Tetrachloroethene
Conc: 8$ Below Cal
RT: 10.264 min Scan# 925
Delta R.T. -0.000 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion:166 Resp: 7956

Ion	Ratio	Lower	Upper
166	100		
164	74.5	63.4	95.2
129	80.6	68.4	102.6

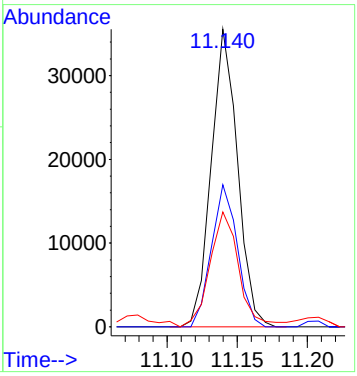


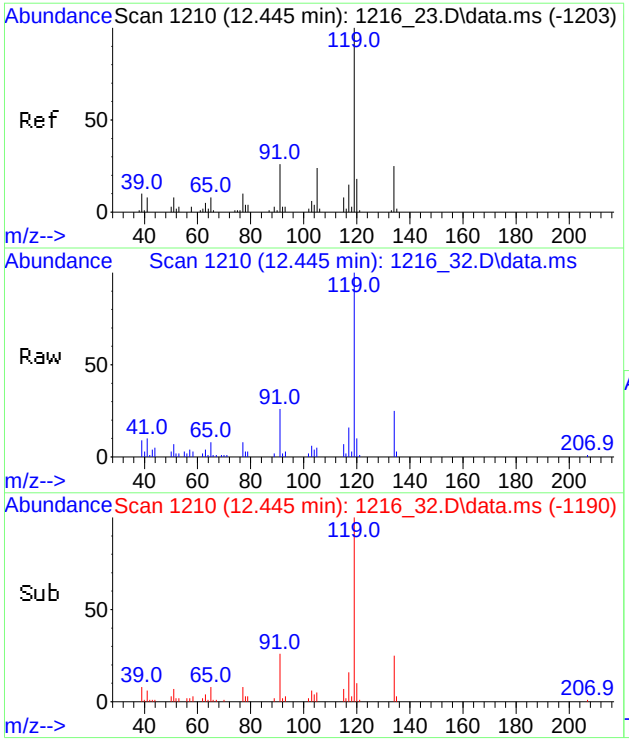


#59
Styrene
Conc: 8$ 0.482 ppbv
RT: 11.140 min Scan# 1040
Delta R.T. -0.000 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion:104 Resp: 46386

Ion	Ratio	Lower	Upper
104	100		
78	47.1	11.5	17.3#
51	42.6	17.2	25.8#

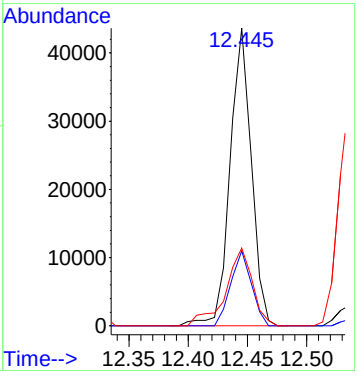


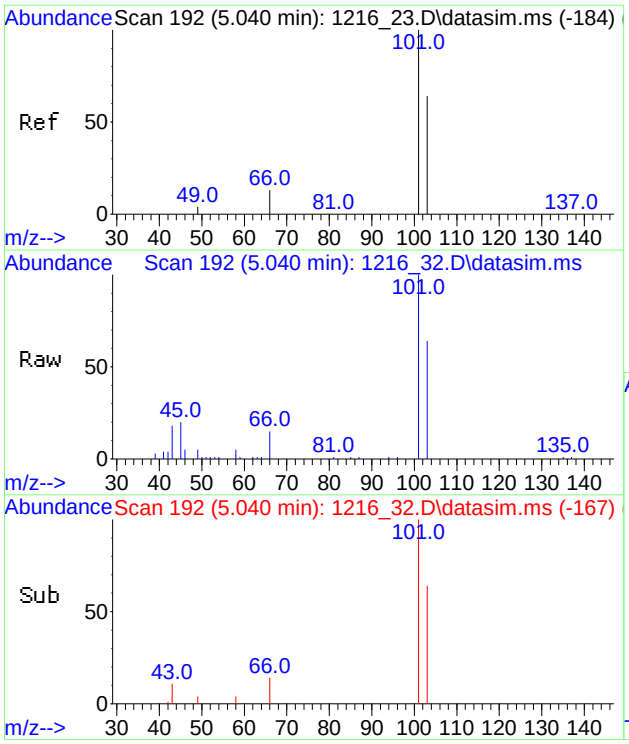


#74
4-Isopropyltoluene
Conc: 8$ 0.265 ppbv
RT: 12.445 min Scan# 1210
Delta R.T. 0.000 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion:119 Resp: 54583

Ion	Ratio	Lower	Upper
119	100		
134	24.4	0.0	0.0#
91	32.8	0.0	0.0#

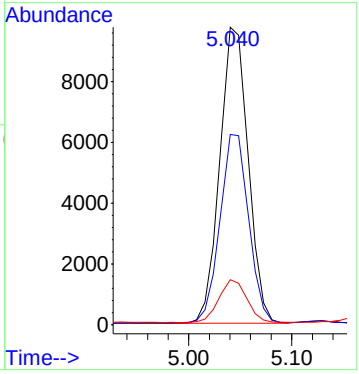


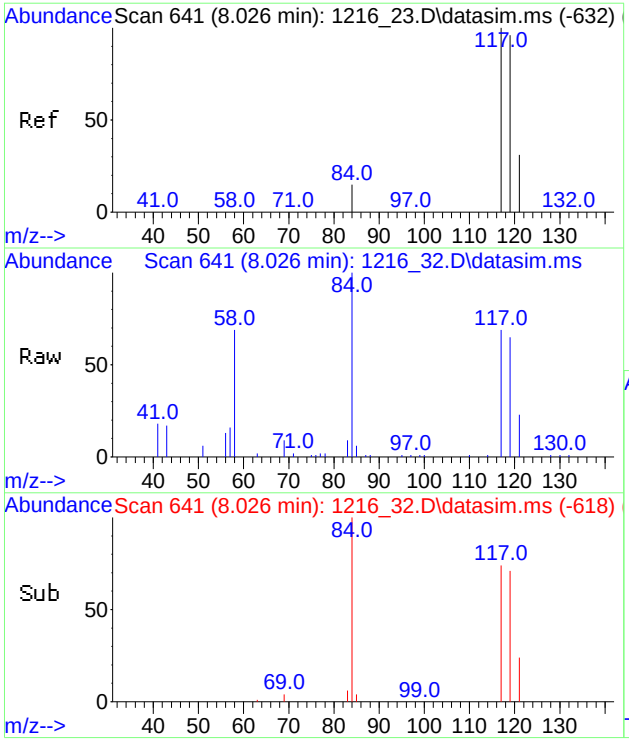


#84
Trichlorofluoromethane(sim)
Conc: 8$ 0.181 ppbv
RT: 5.040 min Scan# 192
Delta R.T. 0.000 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion:101 Resp: 18598

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.0
66	14.4	15.1	15.1#

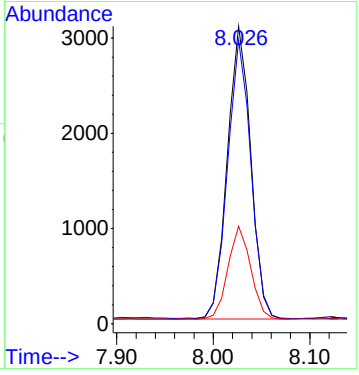


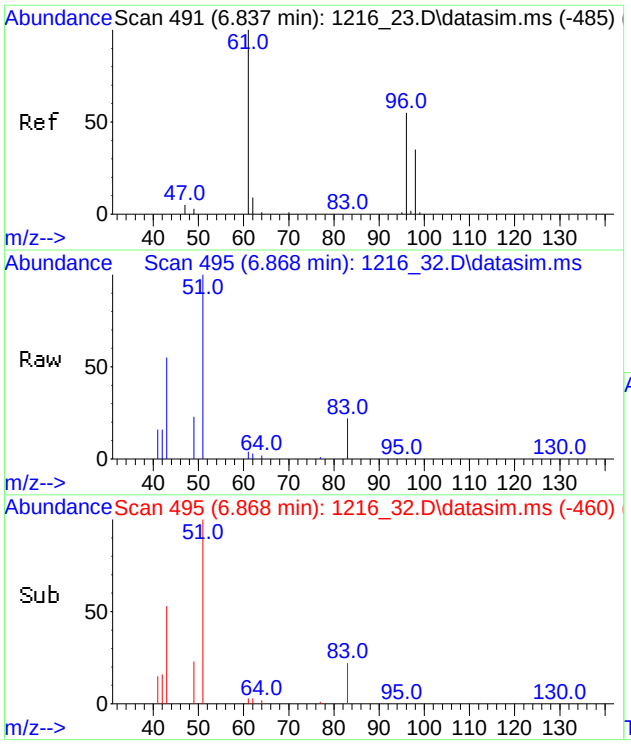


#88
Carbon Tetrachloride(sim)
Conc: 8$ 0.064 ppbv
RT: 8.026 min Scan# 641
Delta R.T. 0.000 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion:117 Resp: 5171

Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.6	115.0
121	30.7	24.2	36.4

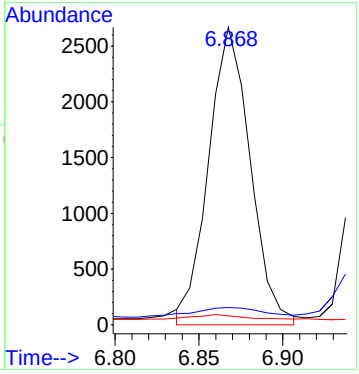


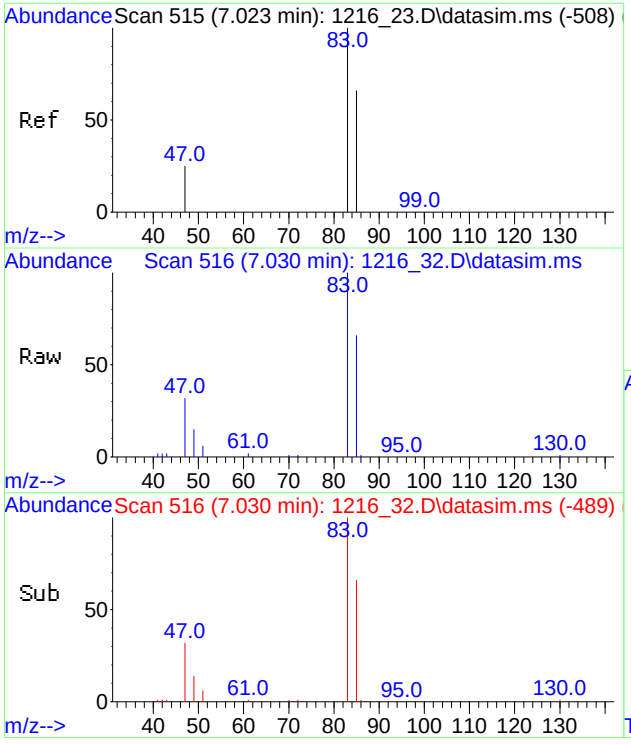


#93
Cis-1,2-Dichloroethene(sim)
Conc: 8$ 0.056 ppbv
RT: 6.865 min Scan# 495
Delta R.T. 0.031 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 61 Resp: 4080

Ion	Ratio	Lower	Upper
61	100		
96	0.0	52.8	79.2#
98	0.0	35.8	53.8#

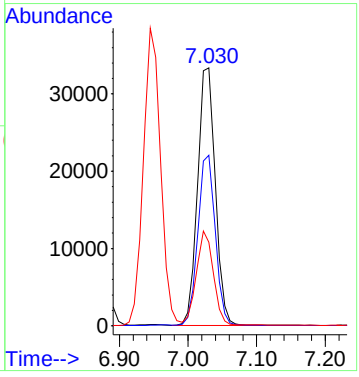


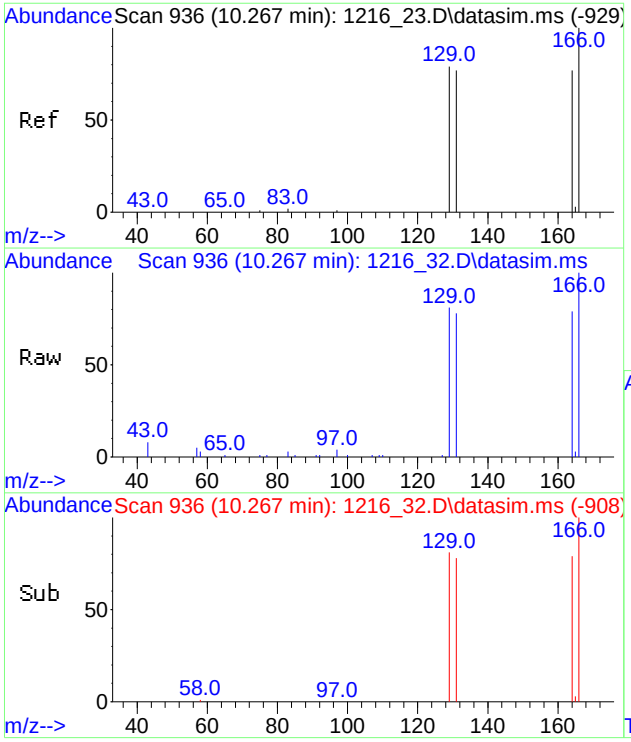


#94
Chloroform(sim)
Conc: 8$ 0.713 ppbv
RT: 7.030 min Scan# 516
Delta R.T. 0.007 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion: 83 Resp: 59711

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.2
47	34.7	24.2	36.4

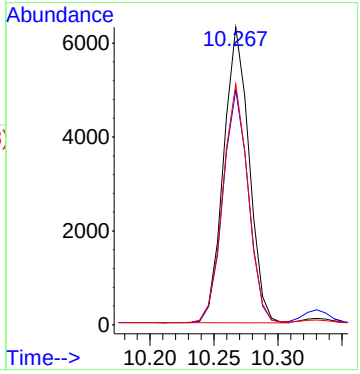


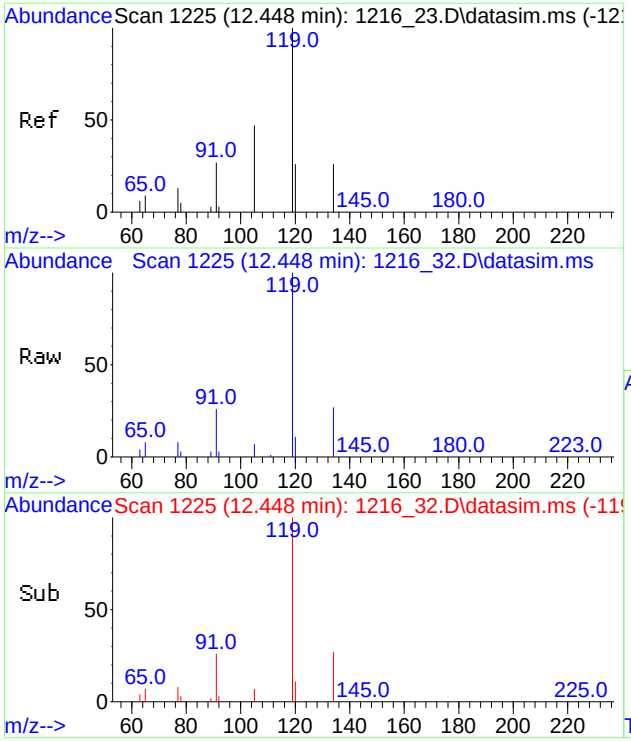


#104
Tetrachloroethene(sim)
Conc: 8$ 0.116 ppbv
RT: 10.267 min Scan# 936
Delta R.T. -0.000 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion:166 Resp: 8686

Ion	Ratio	Lower	Upper
166	100		
164	78.1	54.6	94.6
129	79.7	52.2	92.2

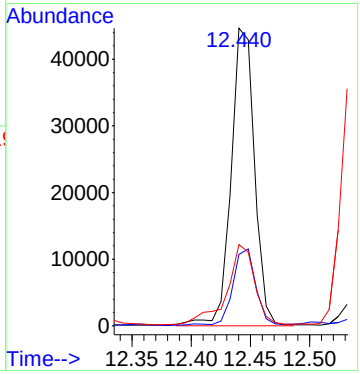




#113
4-Isopropyltoluene(sim)
Conc: 8$ 0.235 ppbv
RT: 12.445 min Scan# 1225
Delta R.T. 0.000 min
Lab File: 1216_32.D
Acq: 17 Dec 2025 9:55 pm

Tgt Ion:119 Resp: 54583

Ion	Ratio	Lower	Upper
119	100		
134	24.4	17.7	26.5
91	32.8	35.4	53.0#



AIR ANALYSIS DATA SHEET

CLIENT ID: IA-2

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98121

Canister: 53443 Lab File ID: 1216_33.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.478		0.202	0.202	r
74-87-3	Chloromethane	0.860		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	658	ES	0.531	0.531	r
67-64-1	Acetone	28.0	S	0.421	0.421	r
67-63-0	Isopropylalcohol	239	ES	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	3.19		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
67-66-3	Chloroform	0.738		0.205	0.205	r
141-78-6	Ethyl acetate	0.670		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.343		0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.418		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.357		0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

CLIENT ID

AIR ANALYSIS DATA SHEET

IA-2

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98121

Canister: 53443 Lab File ID: 1216_33.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.187		0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.066		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.119		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_33.D
Acq On : 17 Dec 2025 10:30 pm
Operator :
Client ID : IA-2
Lab ID : CU98121
ALS Vial : 29 Sample Multiplier: 1

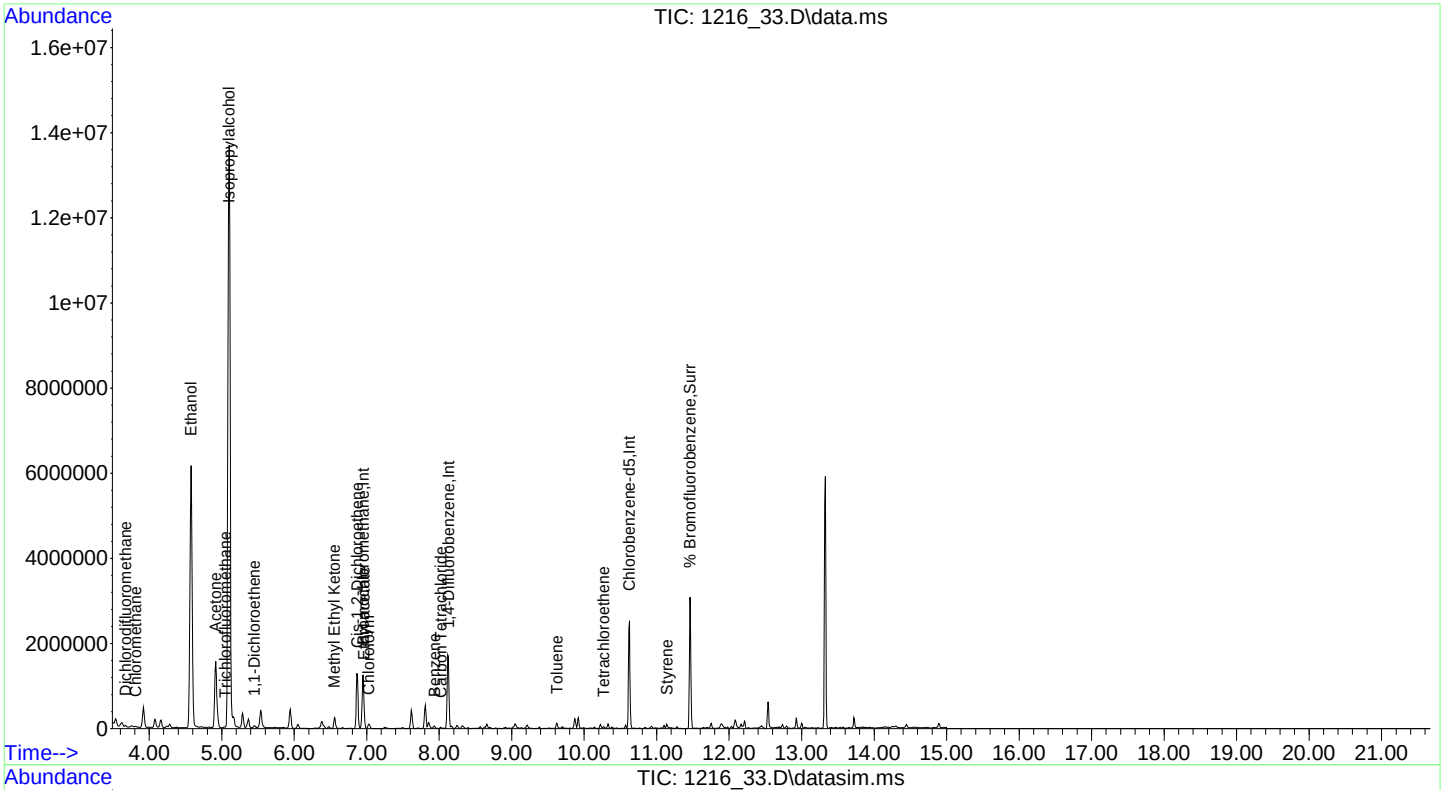
Quant Time: Dec 18 11:20:36 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

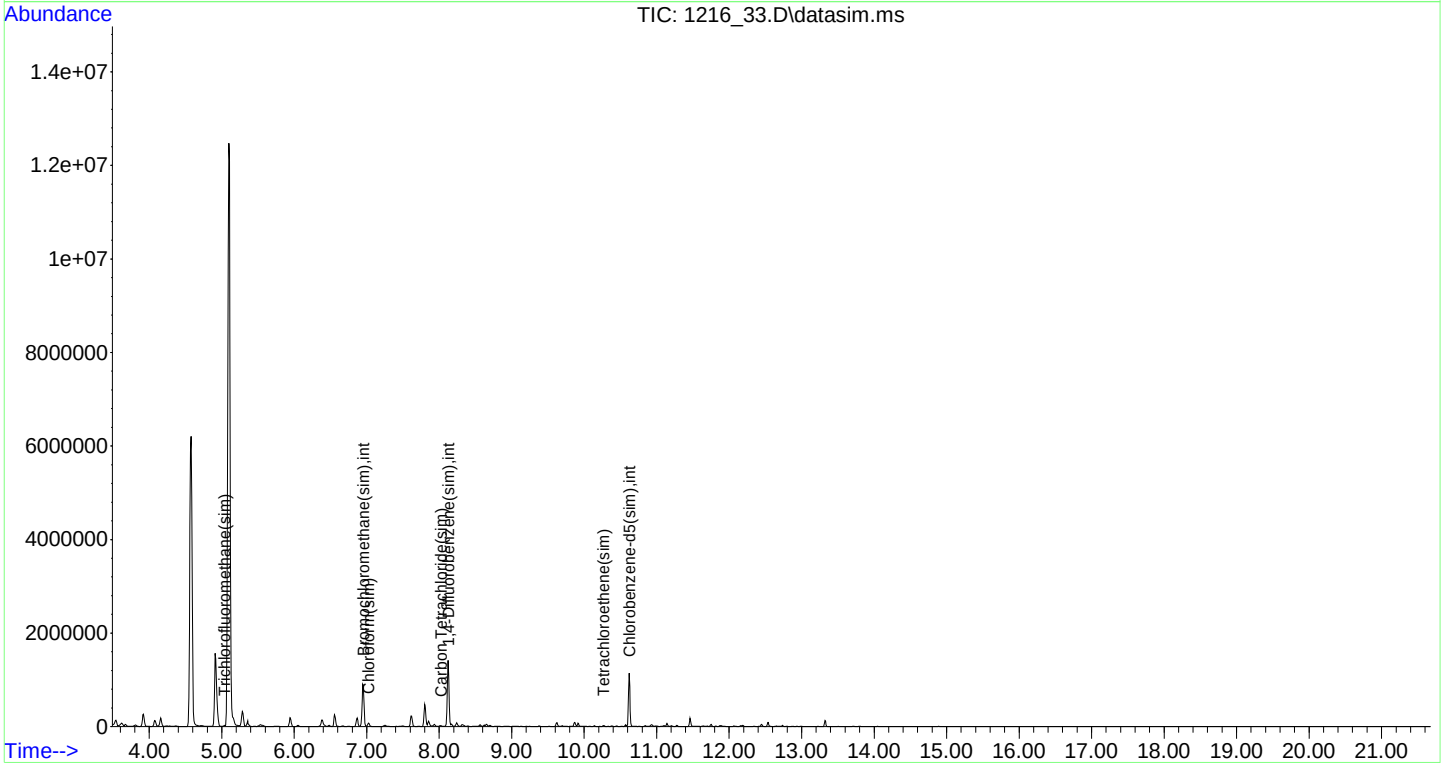
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.950	130	301731	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.127	114	1134507	10.000	ng		0.00
53) Chlorobenzene-d5	10.624	82	624276	10.000	ng		0.00
80) Bromochloromethane(sim)	6.953	130	321431	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.127	114	1134507	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.624	82	624276	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	849944	10.361	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.60%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	3.674	85	41540	0.478	ppbv#		97
4) Chloromethane	3.812	50	35169	0.860	ppbv		92
11) Ethanol	4.575	45	8061709	657.741	ppbv#		39
12) Acetone	4.915	43	1920587	27.974	ppbv#		78
13) Trichlorofluoromethane	5.045	101	17639	0.199	ppbv		97
14) Isopropylalcohol	5.102	45	18493442	239.461	ppbv#		94
16) 1,1-Dichloroethene	5.451	61	7273	0.107	ppbv#		34
25) Methyl Ethyl Ketone	6.553	43	320840	3.189	ppbv#		93
26) Cis-1,2-Dichloroethene	6.872	61	3242	0.051	ppbv#		23
28) Chloroform	7.027	83	53398	0.738	ppbv		95
29) Ethyl acetate	6.958	61	9702	0.670	ppbv#		66
33) Benzene	7.937	78	38049	0.343	ppbv#		91
34) Carbon Tetrachloride	8.023	117	4608	0.063	ppbv		96
48) Toluene	9.623	91	57421	0.418	ppbv		99
52) Tetrachloroethene	10.264	166	7936	0.123	ppbv		92
59) Styrene	11.140	104	33503	0.357	ppbv#		42
84] Trichlorofluoromethane...	5.040	101	18563	0.187	ppbv#		100
88] Carbon Tetrachloride(sim)	8.026	117	5191	0.066	ppbv		98
93] Cis-1,2-Dichloroethene...	6.872	61	3242	0.046	ppbv#		23
94] Chloroform(sim)	7.022	83	55384	0.682	ppbv		97
104] Tetrachloroethene(sim)	10.267	166	8550	0.119	ppbv		93

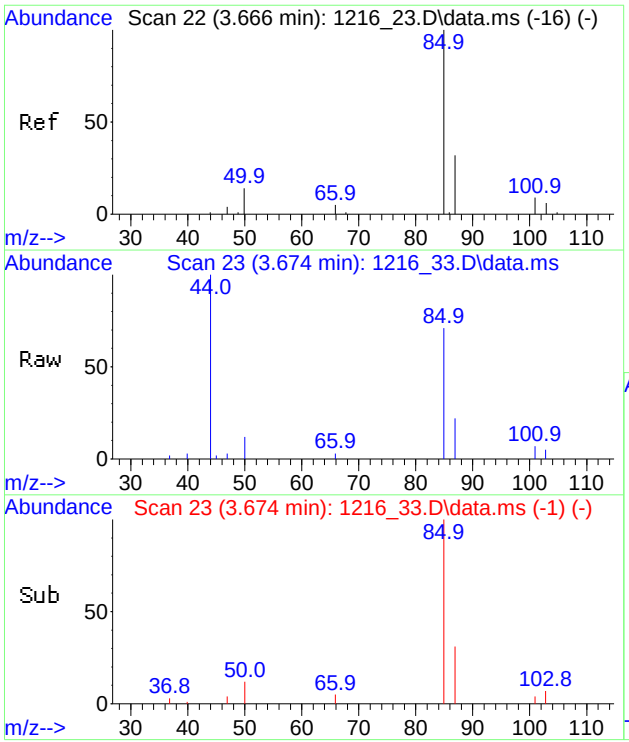
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_33.D
Acq On : 17 Dec 2025 10:30 pm
Operator :
Client ID : IA-2
Lab ID : CU98121
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 18 11:20:36 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration



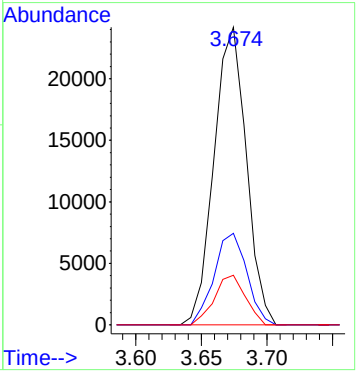


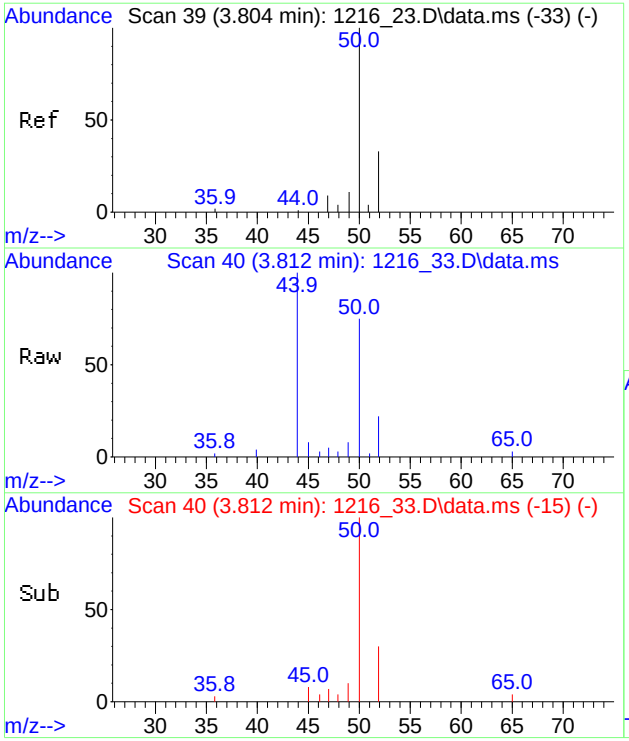


#3
Dichlorodifluoromethane
Conc: 8$ 0.478 ppbv
RT: 3.674 min Scan# 23
Delta R.T. 0.008 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion: 85 Resp: 41540

Ion	Ratio	Lower	Upper
85	100		
87	31.2	25.8	38.8
50	16.0	10.6	15.8#

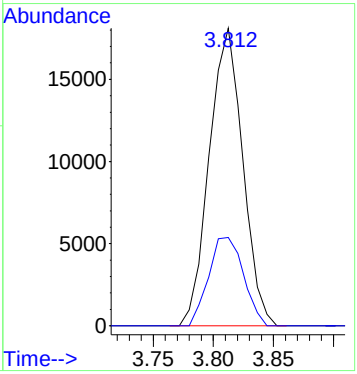


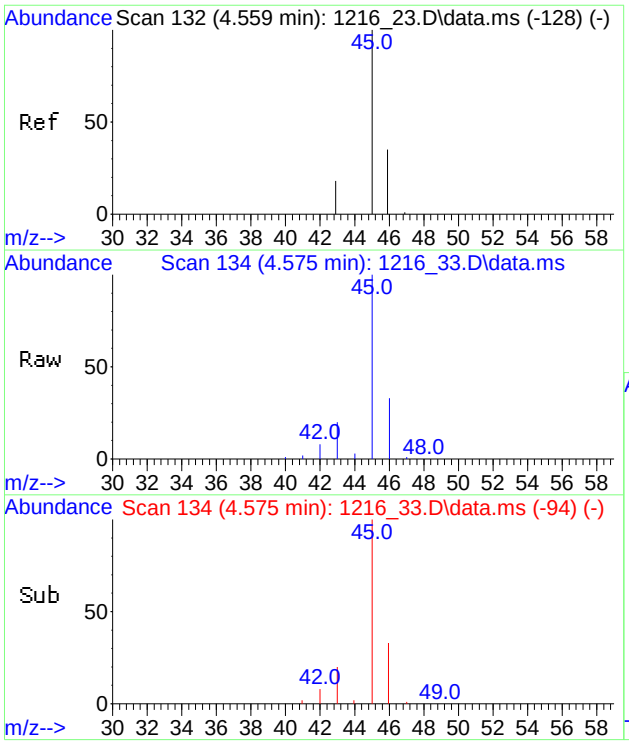


#4
Chloromethane
Conc: 8$ 0.860 ppbv
RT: 3.812 min Scan# 40
Delta R.T. 0.000 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion: 50 Resp: 35169

Ion	Ratio	Lower	Upper
50	100		
52	30.9	15.5	55.5

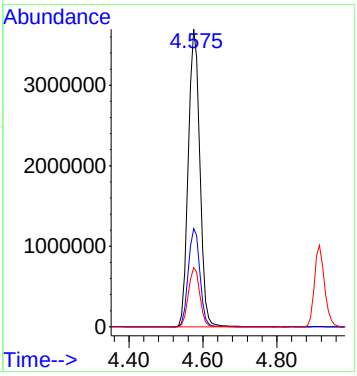


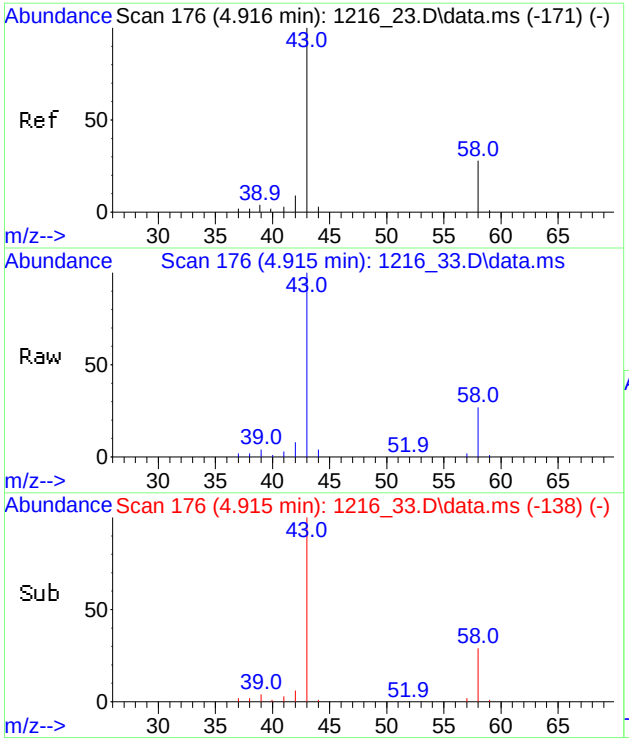


#11
Ethanol
Conc: 8$ 657.741 ppbv
RT: 4.575 min Scan# 134
Delta R.T. 0.024 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion: 45 Resp: 8061709

Ion	Ratio	Lower	Upper
45	100		
46	33.3	0.6	0.8#
43	19.7	0.0	0.0#

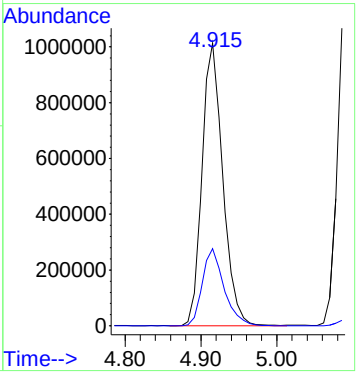


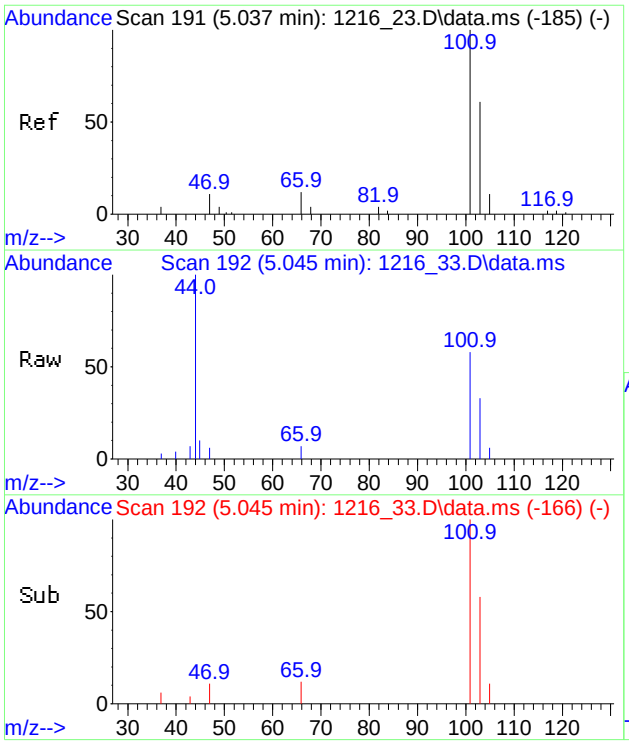


#12
Acetone
Conc: 8$ 27.974 ppbv
RT: 4.915 min Scan# 176
Delta R.T. 0.007 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion: 43 Resp: 1920587

Ion	Ratio	Lower	Upper
43	100		
58	28.7	0.2	0.2#

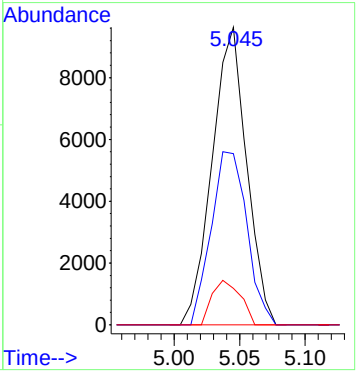


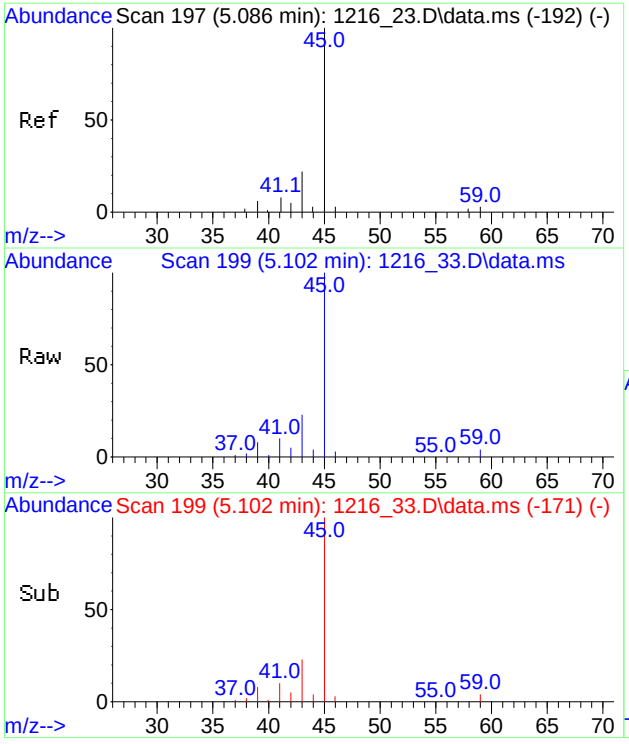


#13
Trichlorofluoromethane
Conc: 8$ 0.199 ppbv
RT: 5.045 min Scan# 192
Delta R.T. 0.008 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion:101 Resp: 17639

Ion	Ratio	Lower	Upper
101	100		
103	60.2	49.8	74.8
66	12.4	12.1	18.1

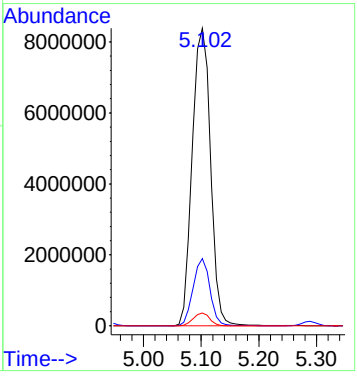


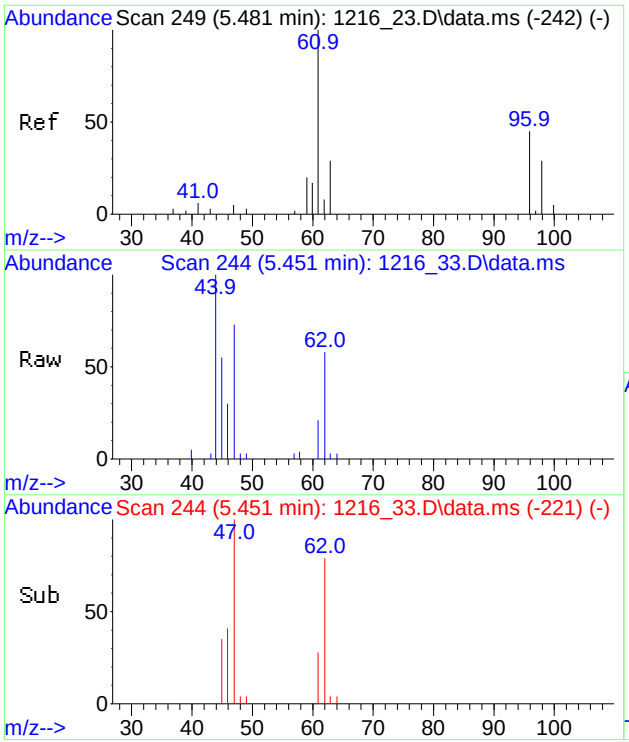


#14
Isopropylalcohol
Conc: 8$ 239.461 ppbv
RT: 5.102 min Scan# 199
Delta R.T. 0.024 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion: 45 Resp:18493442

Ion	Ratio	Lower	Upper
45	100		
43	20.9	0.0	0.0#
59	3.9	0.6	1.0#

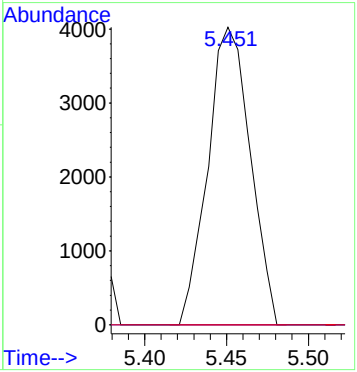


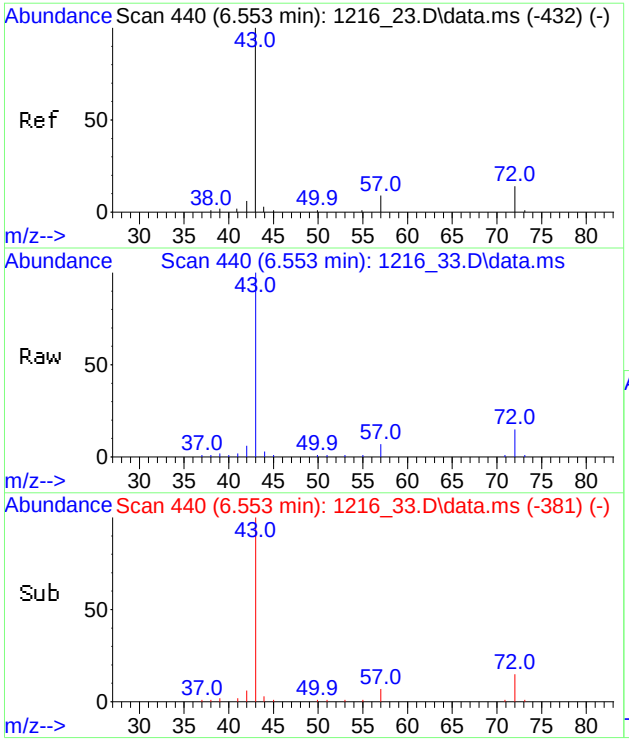


#16
1,1-Dichloroethene
Conc: 8$ Below Cal
RT: 5.451 min Scan# 244
Delta R.T. -0.030 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion: 61 Resp: 7273

Ion	Ratio	Lower	Upper
61	100		
96	0.0	39.5	59.3#
98	0.0	24.2	36.2#

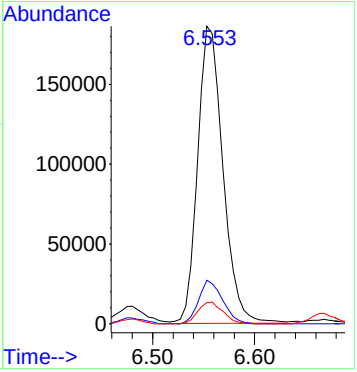


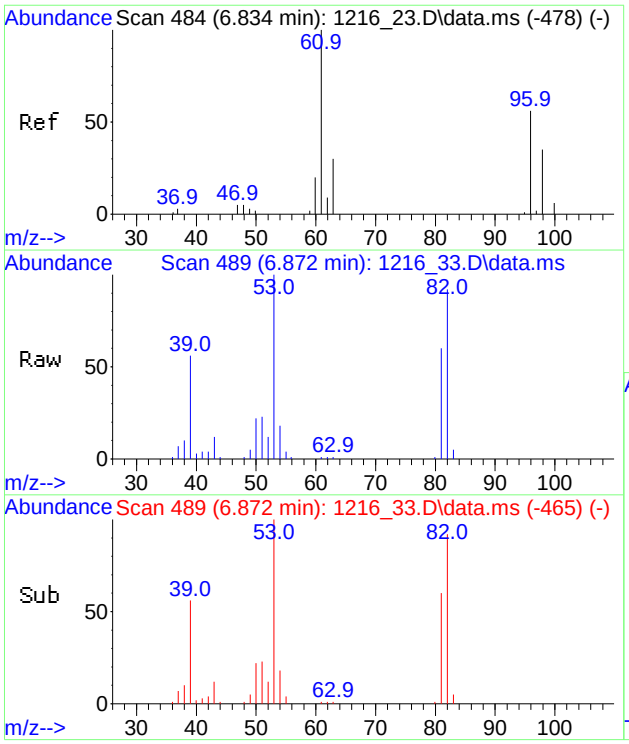


#25
Methyl Ethyl Ketone
Conc: 8$ 3.189 ppbv
RT: 6.553 min Scan# 440
Delta R.T. 0.010 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion: 43 Resp: 320840

Ion	Ratio	Lower	Upper
43	100		
72	13.9	0.0	0.0#
57	7.2	0.2	0.4#

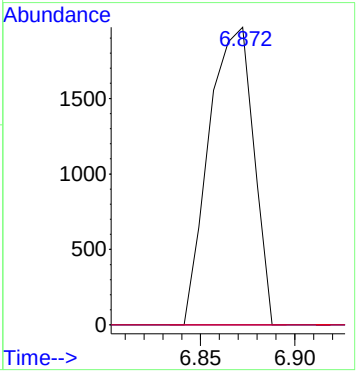


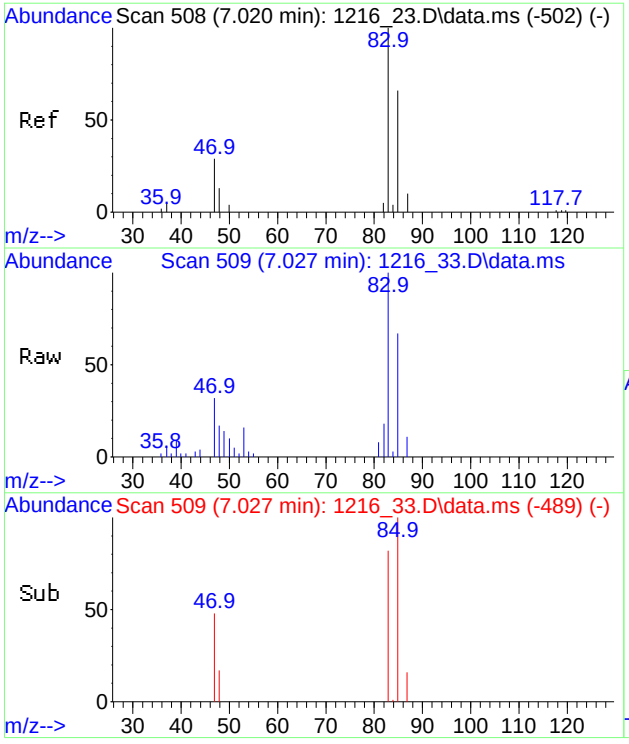


#26
Cis-1,2-Dichloroethene
Conc: 8$ Below Cal
RT: 6.872 min Scan# 489
Delta R.T. 0.038 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion: 61 Resp: 3242

Ion	Ratio	Lower	Upper
61	100		
96	0.0	52.8	79.2#
98	0.0	36.0	54.0#

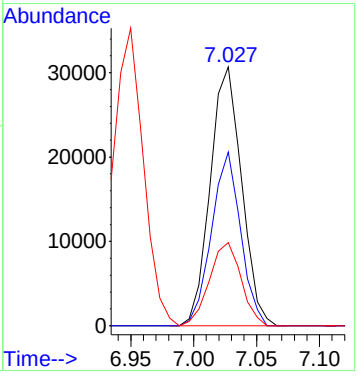


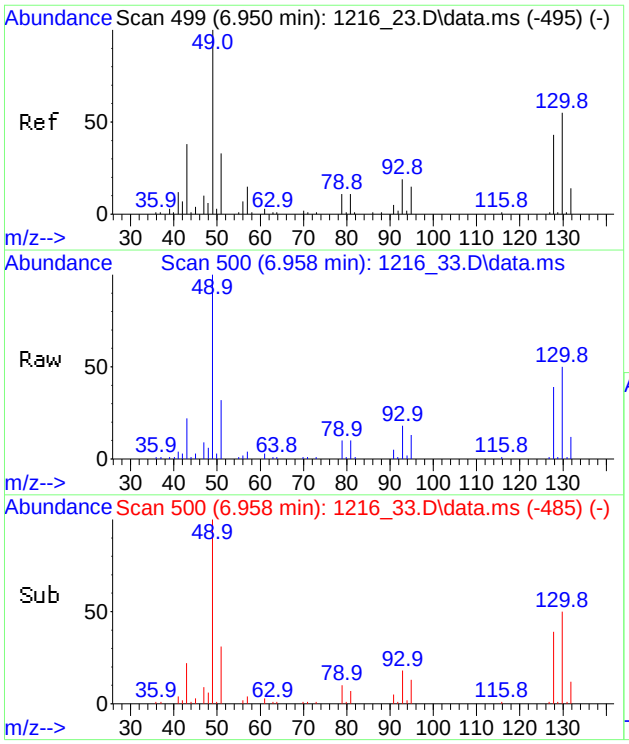


#28
Chloroform
Conc: 8$ 0.738 ppbv
RT: 7.027 min Scan# 509
Delta R.T. 0.007 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion: 83 Resp: 53398

Ion	Ratio	Lower	Upper
83	100		
85	62.2	39.7	79.7
47	32.5	7.3	47.3

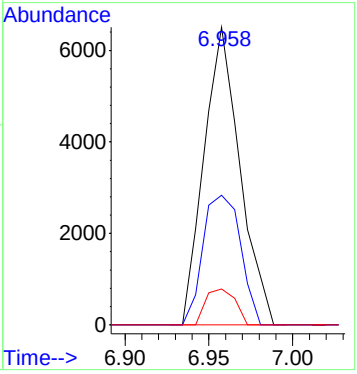


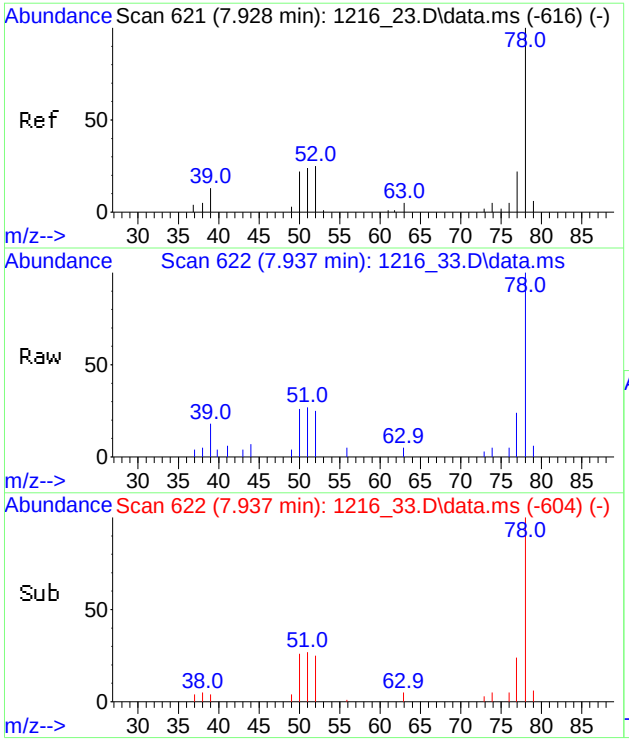


#29
Ethyl acetate
Conc: 8$ 0.670 ppbv
RT: 6.958 min Scan# 500
Delta R.T. 0.016 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion: 61 Resp: 9702

Ion	Ratio	Lower	Upper
61	100		
70	45.7	62.8	94.2#
88	9.9	14.7	22.1#

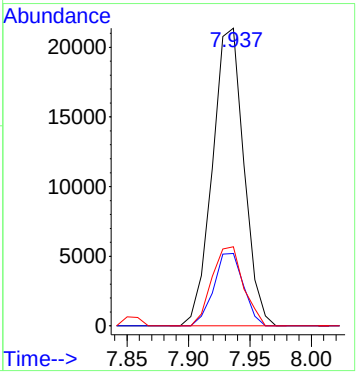


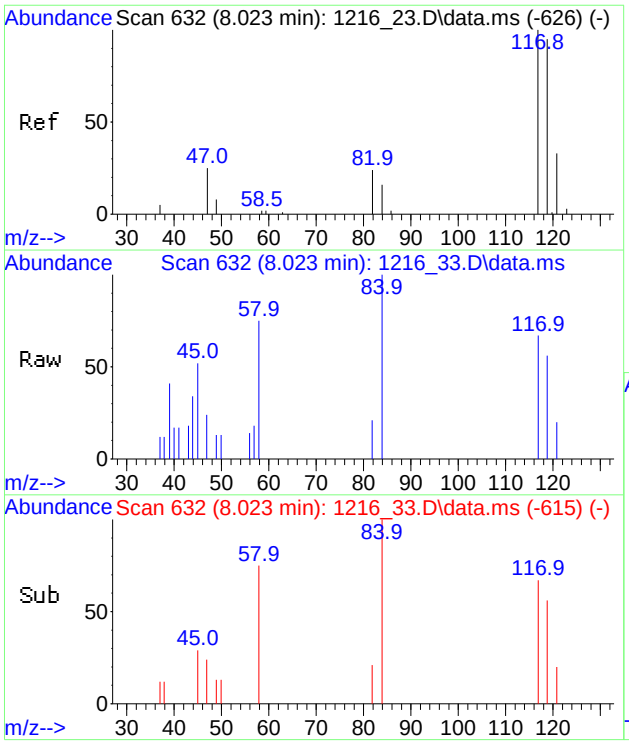


#33
Benzene
Conc: 8$ 0.343 ppbv
RT: 7.937 min Scan# 622
Delta R.T. 0.009 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion: 78 Resp: 38049

Ion	Ratio	Lower	Upper
78	100		
77	23.0	17.4	26.0
51	26.6	15.8	23.6#

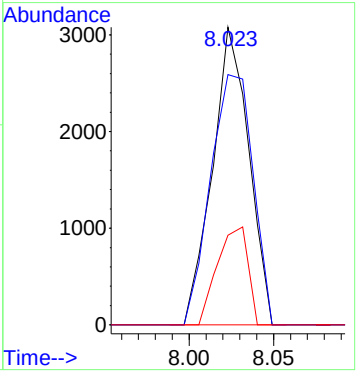


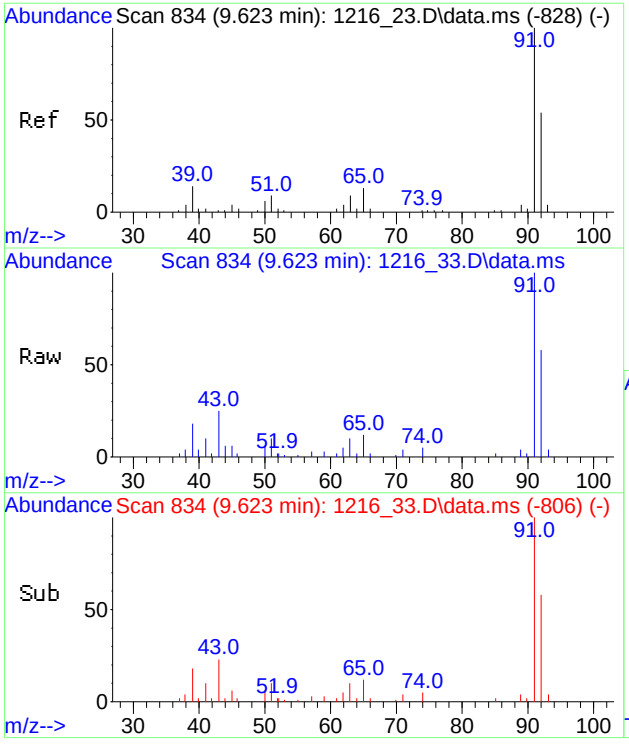


#34
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 8.023 min Scan# 632
Delta R.T. 0.000 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion:117 Resp: 4608

Ion	Ratio	Lower	Upper
117	100		
119	98.2	74.9	114.9
121	27.7	11.2	51.2

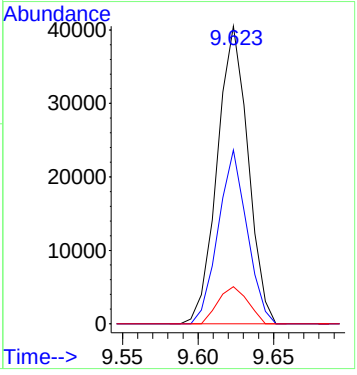


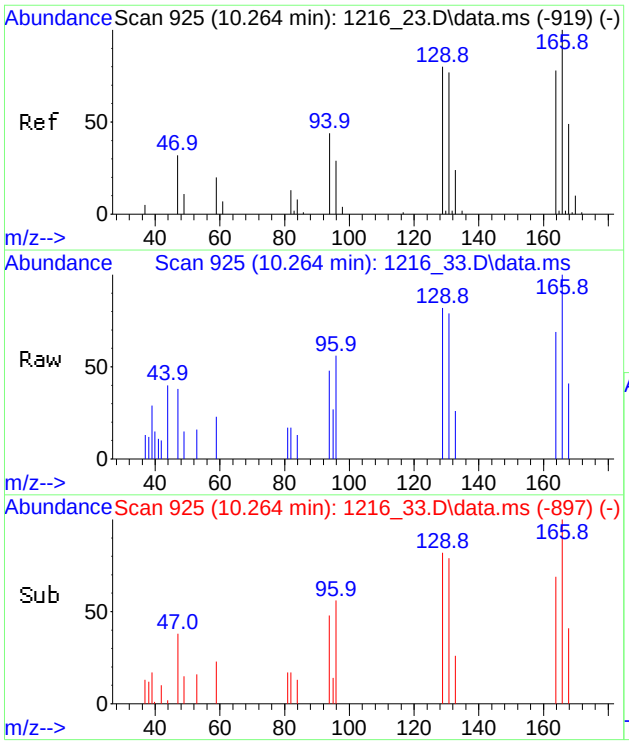


#48
Toluene
Conc: 8$ 0.418 ppbv
RT: 9.623 min Scan# 834
Delta R.T. -0.001 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion: 91 Resp: 57421

Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.8	65.8
65	12.0	10.6	16.0

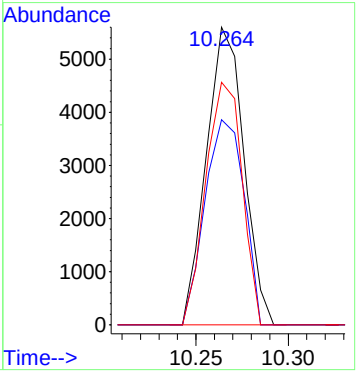


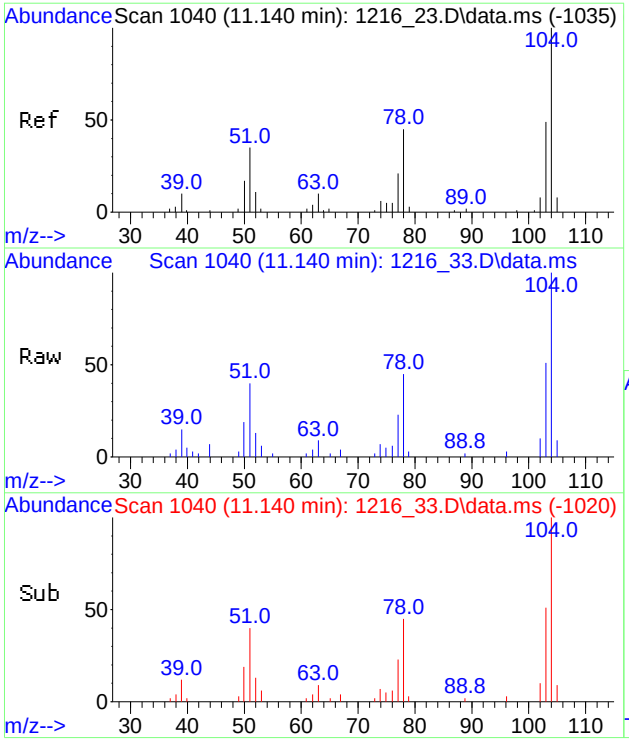


#52
Tetrachloroethene
Conc: 8$ Below Cal
RT: 10.264 min Scan# 925
Delta R.T. -0.000 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion:166 Resp: 7936

Ion	Ratio	Lower	Upper
166	100		
164	71.7	63.4	95.2
129	78.9	68.4	102.6

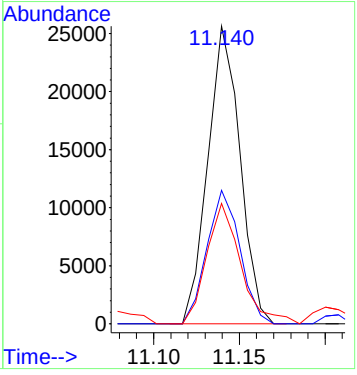


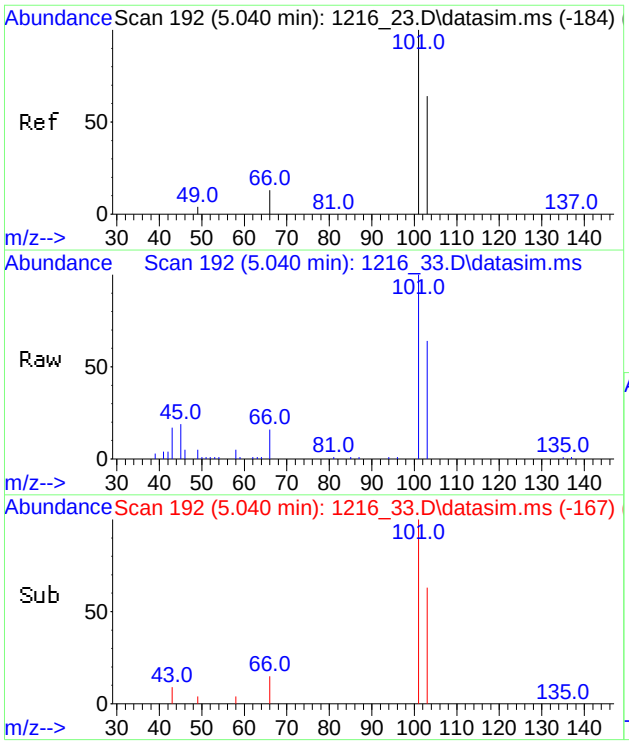


#59
Styrene
Conc: 8$ 0.357 ppbv
RT: 11.140 min Scan# 1040
Delta R.T. -0.000 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion:104 Resp: 33503

Ion	Ratio	Lower	Upper
104	100		
78	46.0	11.5	17.3#
51	42.9	17.2	25.8#

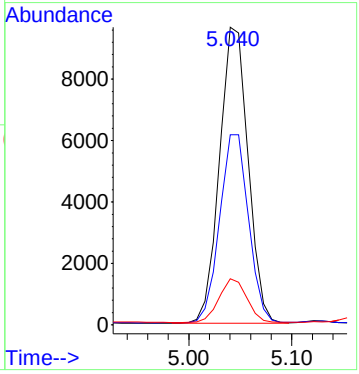


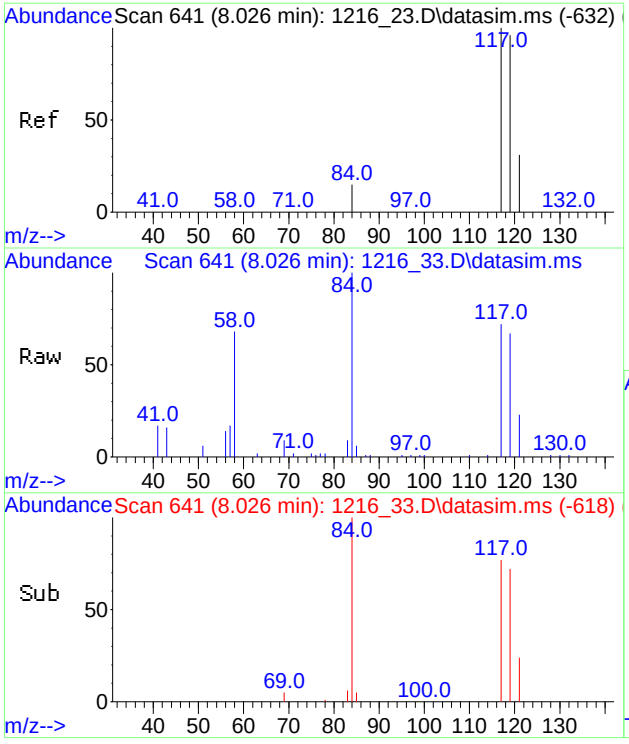


#84
Trichlorofluoromethane(sim)
Conc: 8$ 0.187 ppbv
RT: 5.040 min Scan# 192
Delta R.T. 0.000 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion:101 Resp: 18563

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.0
66	14.4	15.1	15.1#

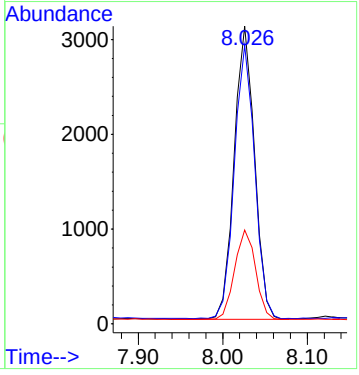


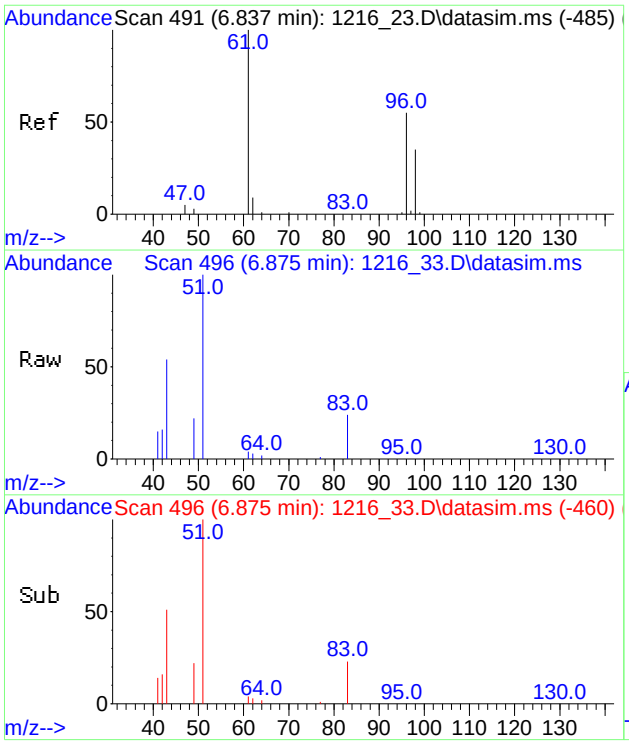


#88
Carbon Tetrachloride(sim)
Conc: 8$ 0.066 ppbv
RT: 8.026 min Scan# 641
Delta R.T. -0.000 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion:117 Resp: 5191

Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.6	115.0
121	31.2	24.2	36.4

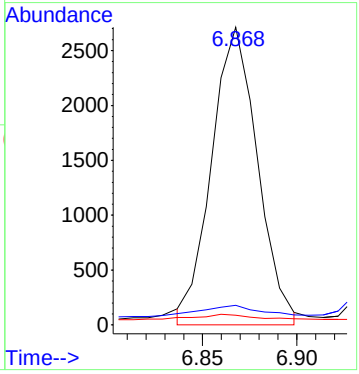


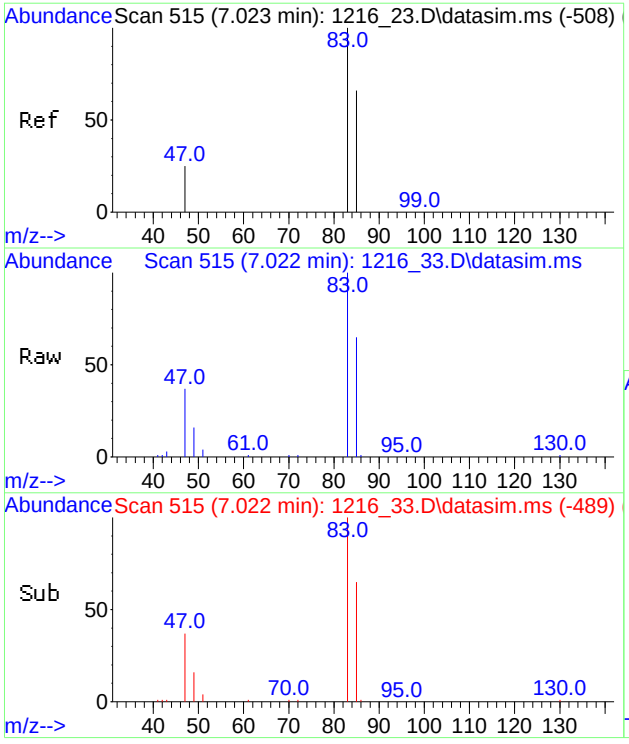


#93
Cis-1,2-Dichloroethene(sim)
Conc: 8$ 0.046 ppbv
RT: 6.872 min Scan# 496
Delta R.T. 0.038 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion: 61 Resp: 3242

Ion	Ratio	Lower	Upper
61	100		
96	0.0	52.8	79.2#
98	0.0	35.8	53.8#

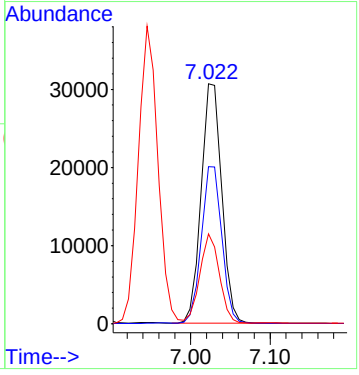


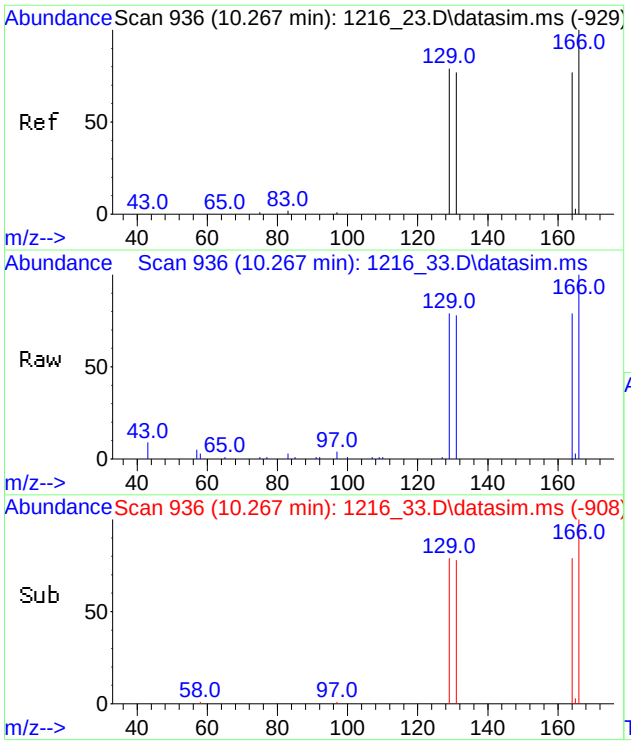


#94
Chloroform(sim)
Conc: 8$ 0.682 ppbv
RT: 7.022 min Scan# 515
Delta R.T. -0.001 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion: 83 Resp: 55384

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.2
47	35.2	24.2	36.4

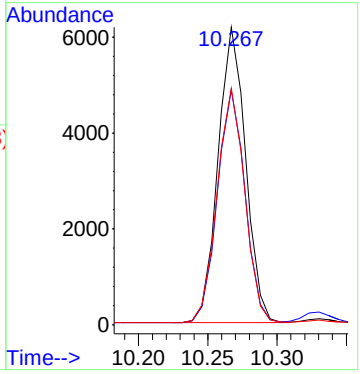




#104
Tetrachloroethene(sim)
Conc: 8$ 0.119 ppbv
RT: 10.267 min Scan# 936
Delta R.T. -0.000 min
Lab File: 1216_33.D
Acq: 17 Dec 2025 10:30 pm

Tgt Ion:166 Resp: 8550

Ion	Ratio	Lower	Upper
166	100		
164	78.6	54.6	94.6
129	80.0	52.2	92.2



AIR ANALYSIS DATA SHEET

CLIENT ID: AA-1

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98122

Canister: 23872 Lab File ID: 1216_34.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.457		0.202	0.202	r
74-87-3	Chloromethane	0.690		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	10.7	S	0.531	0.531	r
67-64-1	Acetone	2.46	S	0.421	0.421	r
67-63-0	Isopropylalcohol	5.59	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.491		0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.316		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1

CLIENT ID

AIR ANALYSIS DATA SHEET

AA-1

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98122

Canister: 23872 Lab File ID: 1216_34.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.194		0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.064		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_34.D
Acq On : 17 Dec 2025 11:05 pm
Operator :
Client ID : AA-1
Lab ID : CU98122
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 18 11:20:53 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

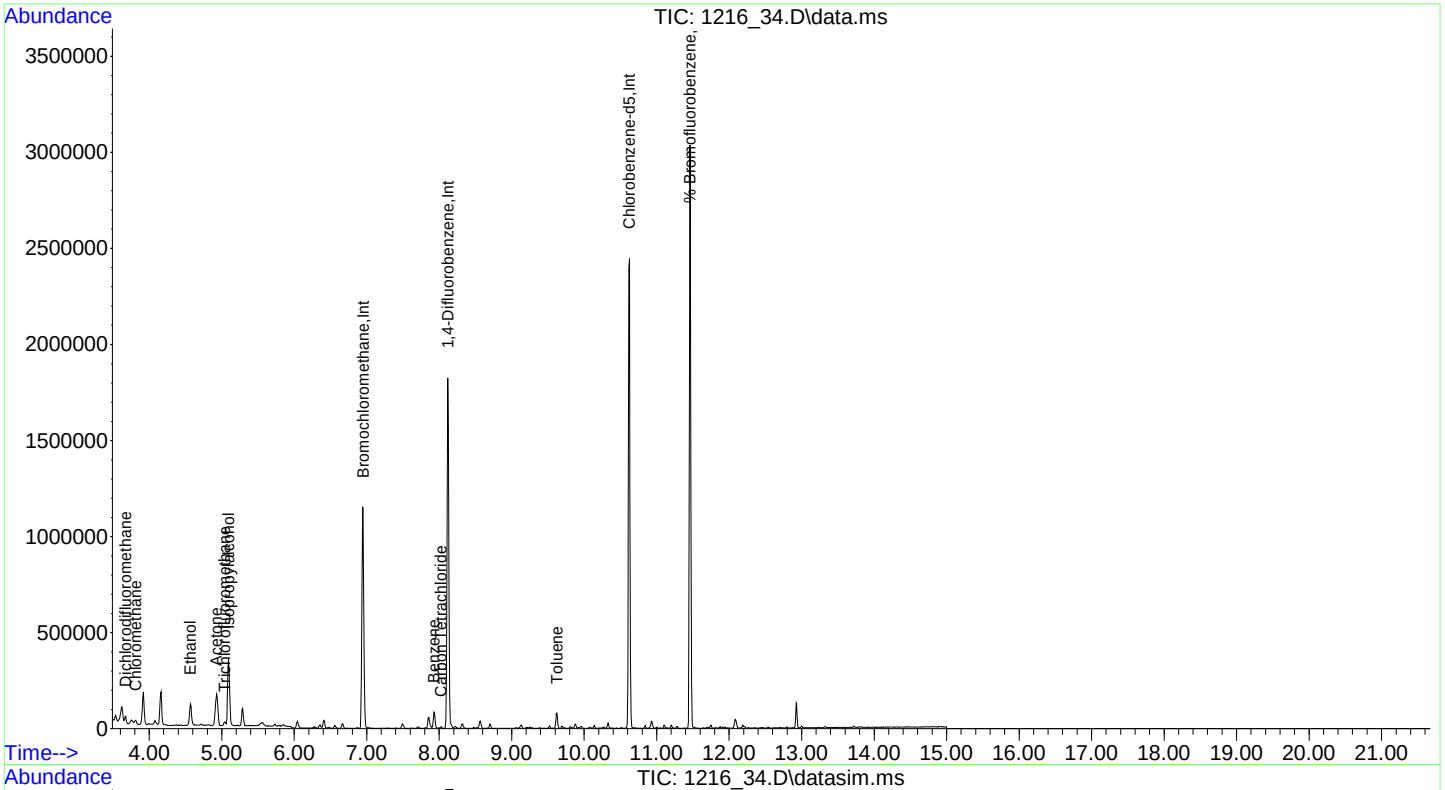
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.950	130	305759	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1145891	10.000	ng		0.00
53) Chlorobenzene-d5	10.624	82	614162	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	326781	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1145891	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.624	82	614162	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	830448	10.290	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.90%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	3.674	85	40252	0.457	ppbv#		93
4) Chloromethane	3.812	50	28574	0.689	ppbv		93
11) Ethanol	4.567	45	132385	10.659	ppbv#		42
12) Acetone	4.924	43	171131	2.460	ppbv#		85
13) Trichlorofluoromethane	5.037	101	18058	0.201	ppbv		95
14) Isopropylalcohol	5.094	45	437824	5.594	ppbv#		96
33) Benzene	7.928	78	55135	0.491	ppbv#		93
34) Carbon Tetrachloride	8.023	117	4786	0.064	ppbv		92
48) Toluene	9.623	91	43930	0.316	ppbv		99
84] Trichlorofluoromethane...	5.040	101	19616	0.194	ppbv#		99
87] Benzene(sim)	7.928	78	55135	0.431	ppbv#		93
88] Carbon Tetrachloride(sim)	8.026	117	5094	0.064	ppbv		99

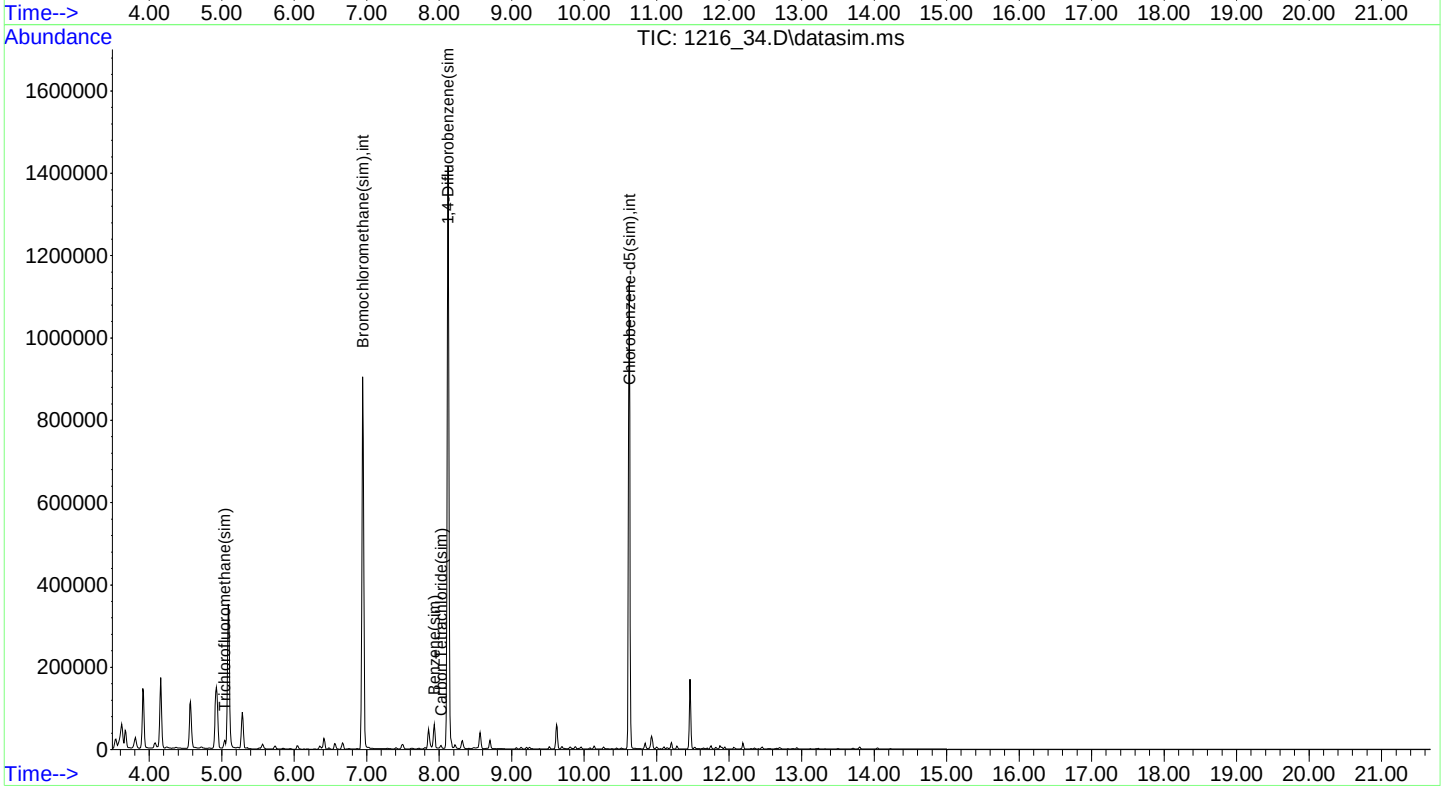
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

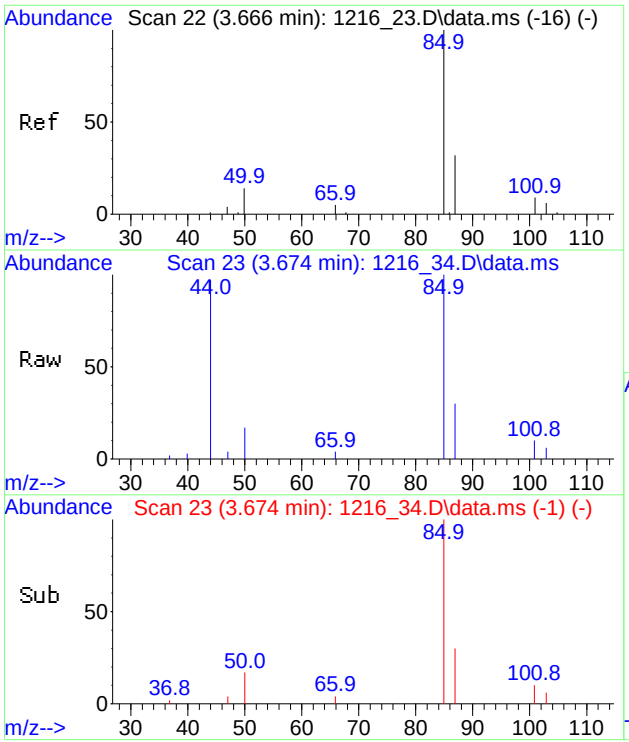
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_34.D
Acq On : 17 Dec 2025 11:05 pm
Operator :
Client ID : AA-1
Lab ID : CU98122
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 18 11:20:53 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration



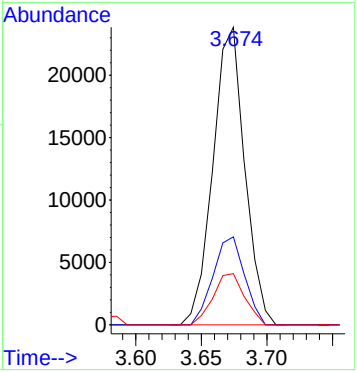


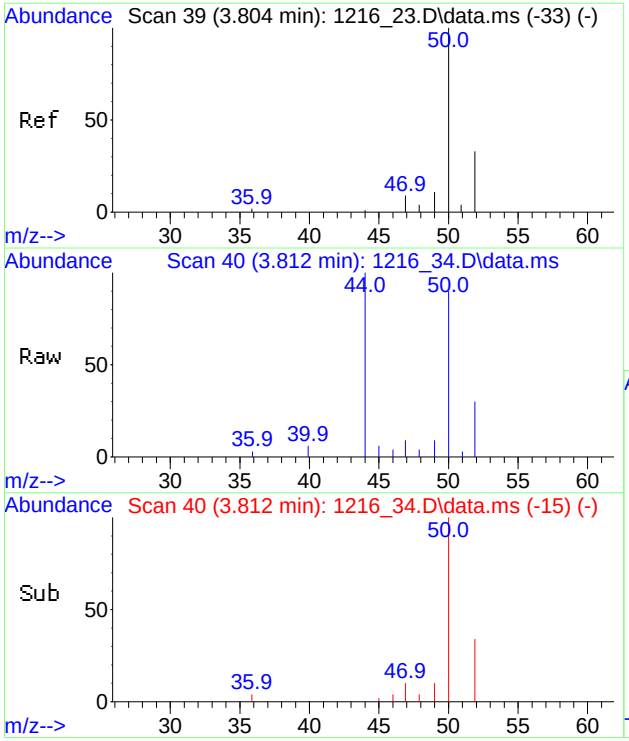


#3
Dichlorodifluoromethane
Conc: 8$ 0.457 ppbv
RT: 3.674 min Scan# 23
Delta R.T. 0.008 min
Lab File: 1216_34.D
Acq: 17 Dec 2025 11:05 pm

Tgt Ion: 85 Resp: 40252

Ion	Ratio	Lower	Upper
85	100		
87	29.3	25.8	38.8
50	17.1	10.6	15.8#

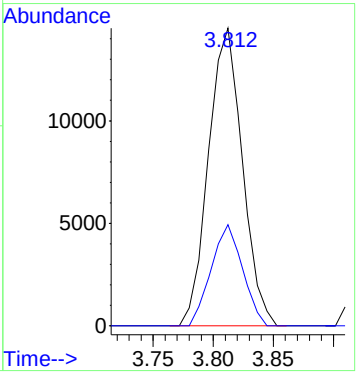


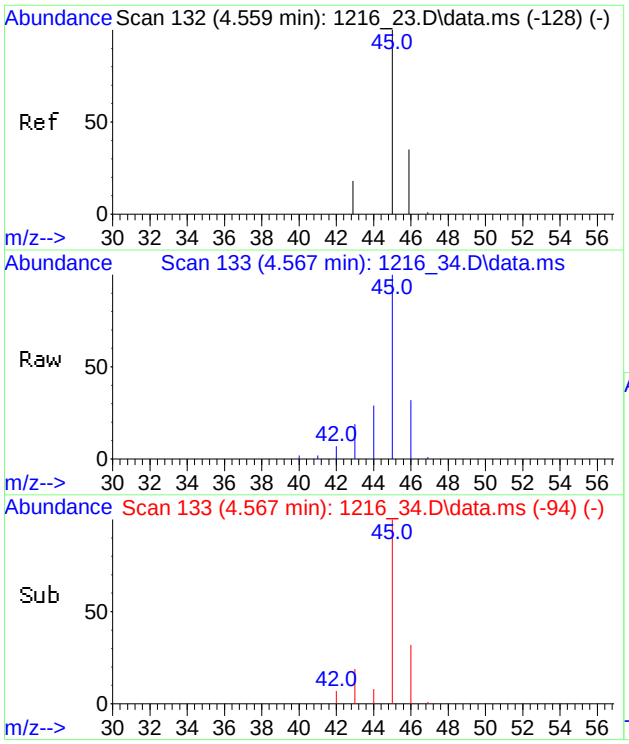


#4
Chloromethane
Conc: 8$ 0.689 ppbv
RT: 3.812 min Scan# 40
Delta R.T. 0.000 min
Lab File: 1216_34.D
Acq: 17 Dec 2025 11:05 pm

Tgt Ion: 50 Resp: 28574

Ion	Ratio	Lower	Upper
50	100		
52	31.4	15.5	55.5

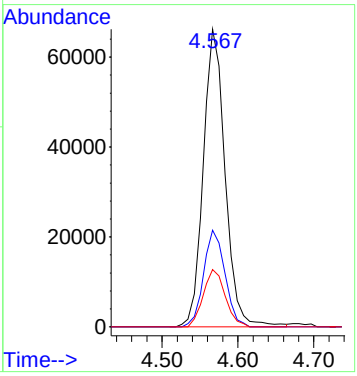


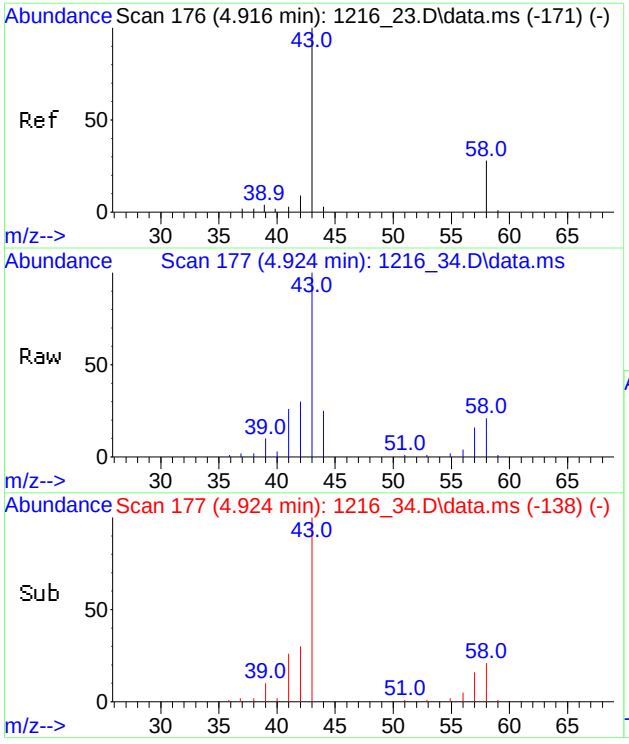


#11
Ethanol
Conc: 8$ 10.659 ppbv
RT: 4.567 min Scan# 133
Delta R.T. 0.016 min
Lab File: 1216_34.D
Acq: 17 Dec 2025 11:05 pm

Tgt Ion: 45 Resp: 132385

Ion	Ratio	Lower	Upper
45	100		
46	31.6	0.6	0.8#
43	19.4	0.0	0.0#

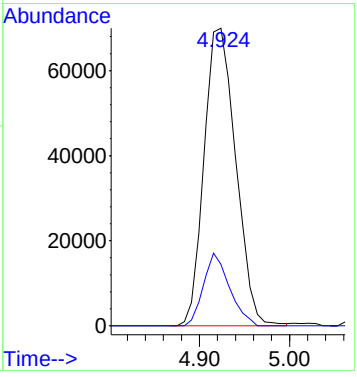


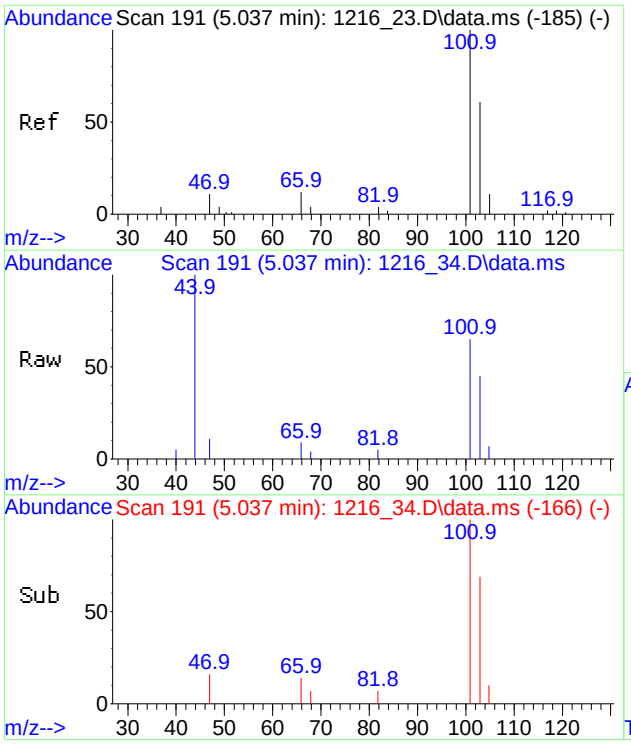


#12
Acetone
Conc: 8$ 2.460 ppbv
RT: 4.924 min Scan# 177
Delta R.T. 0.016 min
Lab File: 1216_34.D
Acq: 17 Dec 2025 11:05 pm

Tgt Ion: 43 Resp: 171131

Ion	Ratio	Lower	Upper
43	100		
58	20.0	0.2	0.2#

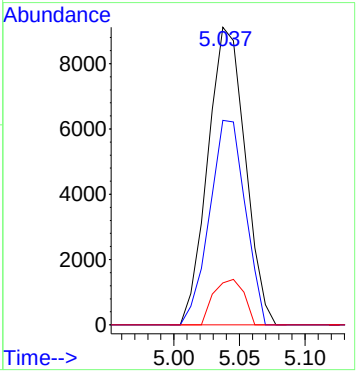


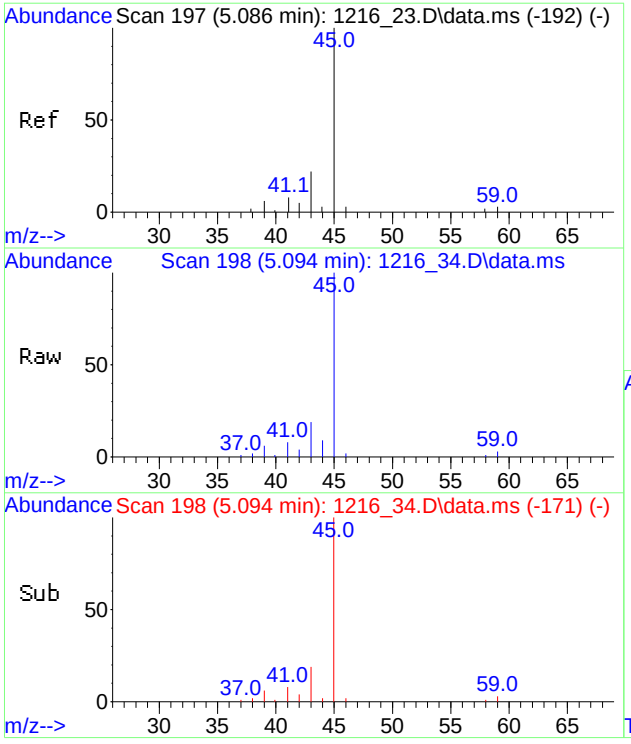


#13
Trichlorofluoromethane
Conc: 8$ 0.201 ppbv
RT: 5.037 min Scan# 191
Delta R.T. 0.000 min
Lab File: 1216_34.D
Acq: 17 Dec 2025 11:05 pm

Tgt Ion:101 Resp: 18058

Ion	Ratio	Lower	Upper
101	100		
103	65.6	49.8	74.8
66	12.5	12.1	18.1

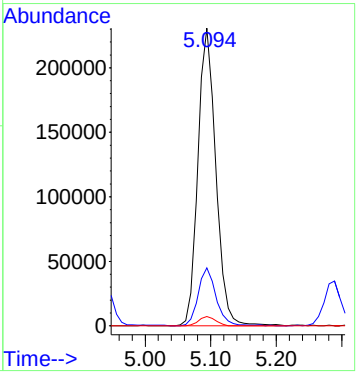


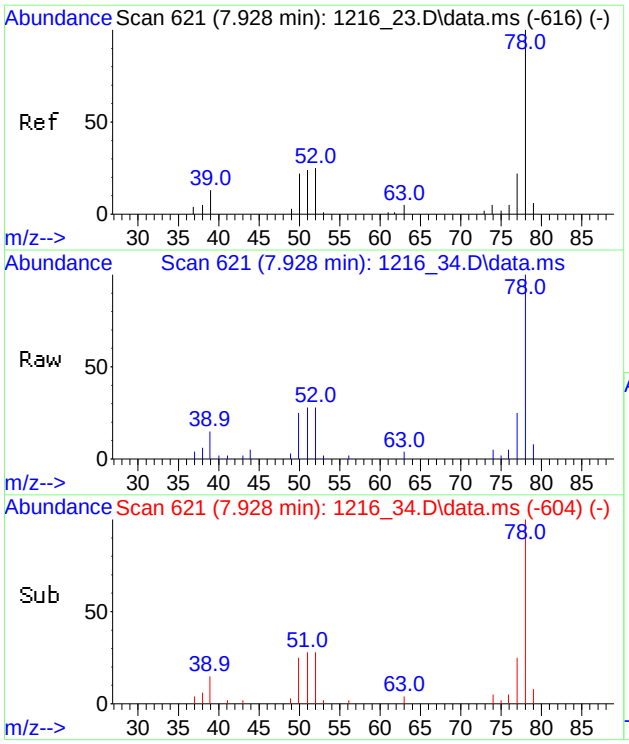


#14
Isopropylalcohol
Conc: 8$ 5.594 ppbv
RT: 5.094 min Scan# 198
Delta R.T. 0.016 min
Lab File: 1216_34.D
Acq: 17 Dec 2025 11:05 pm

Tgt Ion: 45 Resp: 437824

Ion	Ratio	Lower	Upper
45	100		
43	19.5	0.0	0.0#
59	3.0	0.6	1.0#

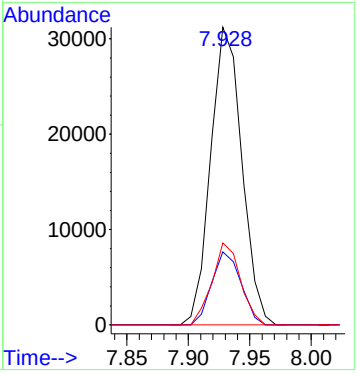


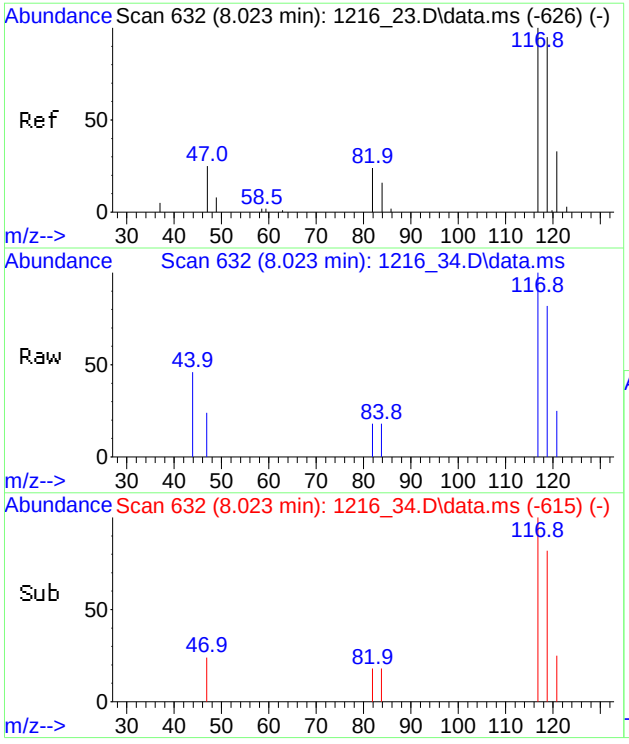


#33
Benzene
Conc: 8$ 0.491 ppbv
RT: 7.928 min Scan# 621
Delta R.T. 0.000 min
Lab File: 1216_34.D
Acq: 17 Dec 2025 11:05 pm

Tgt Ion: 78 Resp: 55135

Ion	Ratio	Lower	Upper
78	100		
77	22.9	17.4	26.0
51	25.2	15.8	23.6#

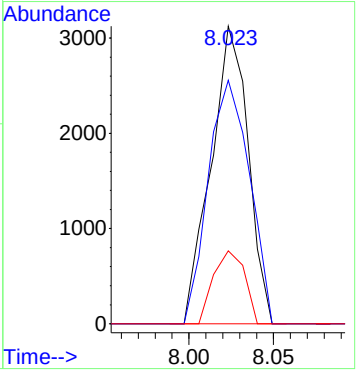


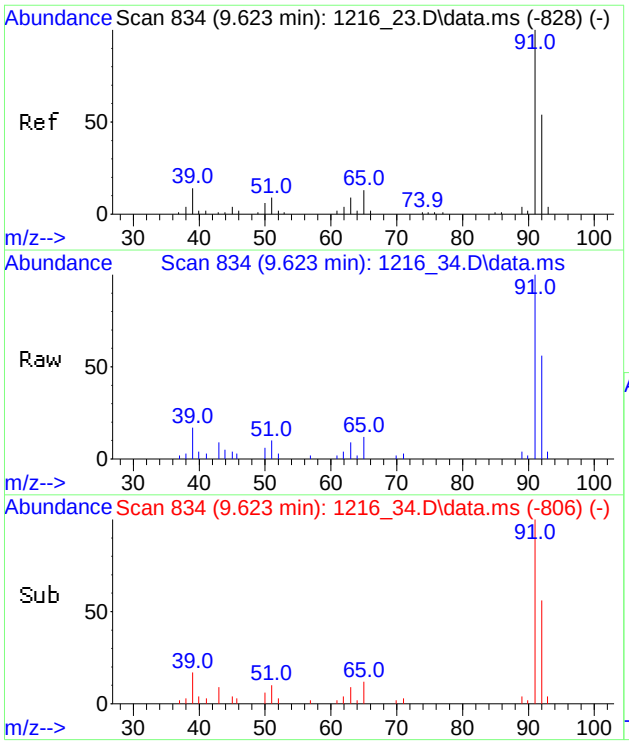


#34
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 8.023 min Scan# 632
Delta R.T. 0.000 min
Lab File: 1216_34.D
Acq: 17 Dec 2025 11:05 pm

Tgt Ion:117 Resp: 4786

Ion	Ratio	Lower	Upper
117	100		
119	90.7	74.9	114.9
121	20.6	11.2	51.2

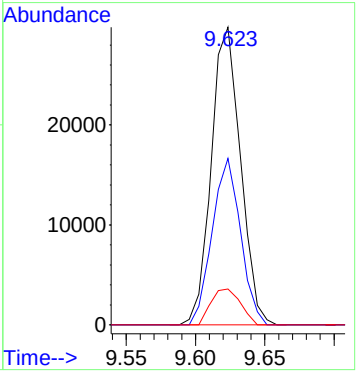


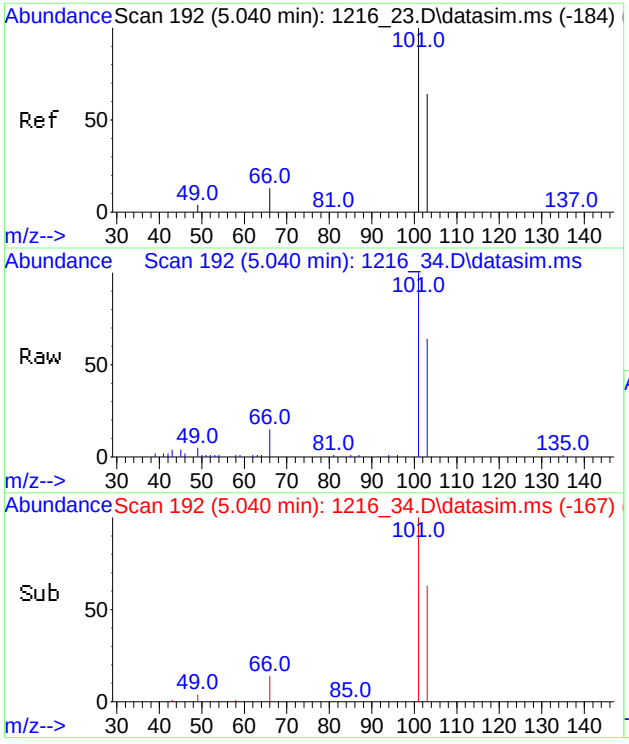


#48
Toluene
Conc: 8$ 0.316 ppbv
RT: 9.623 min Scan# 834
Delta R.T. -0.001 min
Lab File: 1216_34.D
Acq: 17 Dec 2025 11:05 pm

Tgt Ion: 91 Resp: 43930

Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.8	65.8
65	12.1	10.6	16.0

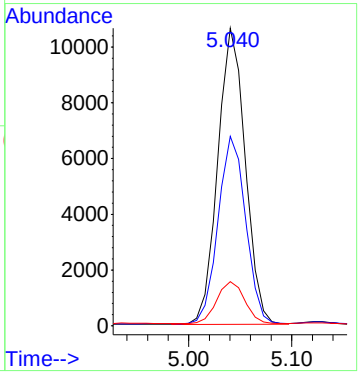


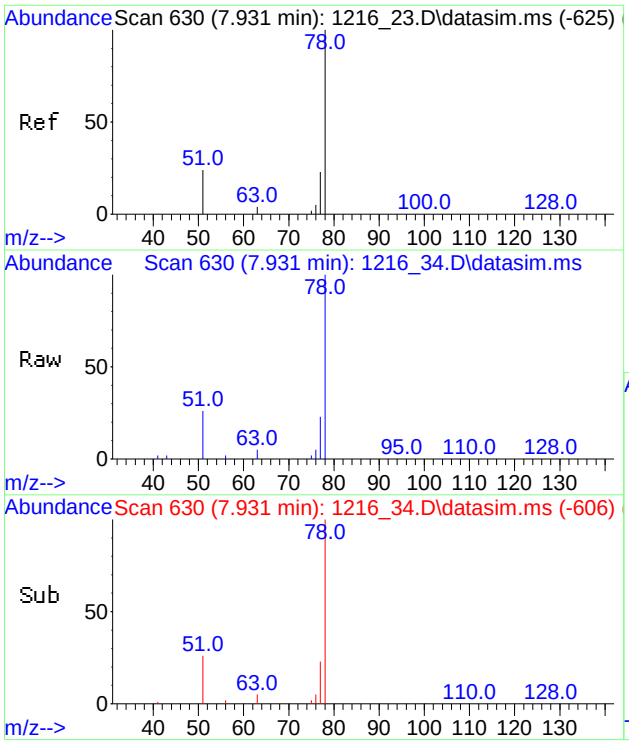


#84
Trichlorofluoromethane(sim)
Conc: 8$ 0.194 ppbv
RT: 5.040 min Scan# 192
Delta R.T. 0.000 min
Lab File: 1216_34.D
Acq: 17 Dec 2025 11:05 pm

Tgt Ion:101 Resp: 19616

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.4	77.0
66	14.4	15.1	15.1#

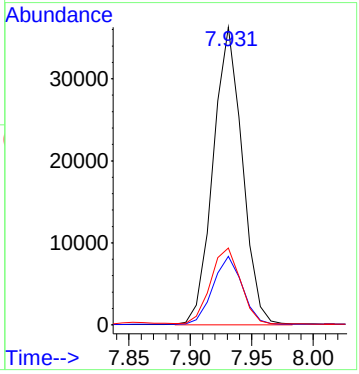


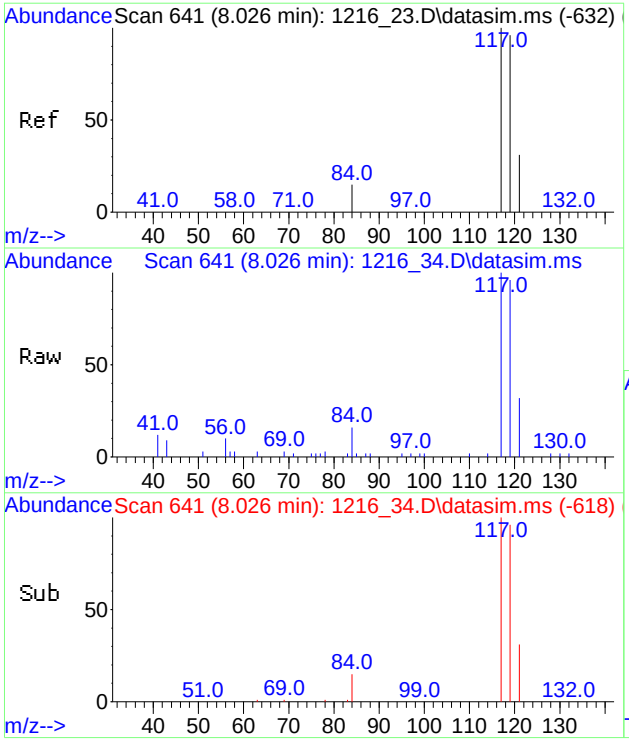


#87
Benzene(sim)
Conc: 8$ 0.431 ppbv
RT: 7.928 min Scan# 630
Delta R.T. 0.000 min
Lab File: 1216_34.D
Acq: 17 Dec 2025 11:05 pm

Tgt Ion: 78 Resp: 55135

Ion	Ratio	Lower	Upper
78	100		
77	22.9	17.4	26.0
51	25.2	15.8	23.6#

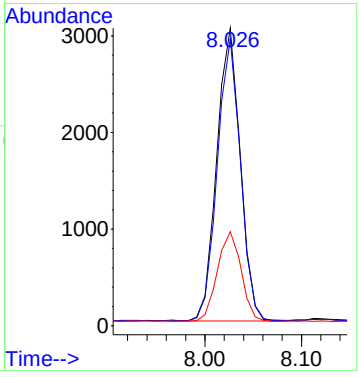




#88
Carbon Tetrachloride(sim)
Conc: 8$ 0.064 ppbv
RT: 8.026 min Scan# 641
Delta R.T. 0.000 min
Lab File: 1216_34.D
Acq: 17 Dec 2025 11:05 pm

Tgt Ion:117 Resp: 5094

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.6	115.0
121	31.1	24.2	36.4



CLIENT ID

AIR ANALYSIS DATA SHEET

IA-1

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98123

Canister: 53445 Lab File ID: 1216_35.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	1.28		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.464		0.202	0.202	r
74-87-3	Chloromethane	0.752		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	702	ES	0.531	0.531	r
67-64-1	Acetone	30.5	S	0.421	0.421	r
67-63-0	Isopropylalcohol	270	ES	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	3.35		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
67-66-3	Chloroform	0.790		0.205	0.205	r
141-78-6	Ethyl acetate	0.699		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.343		0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.418		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.376		0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1

AIR ANALYSIS DATA SHEET

CLIENT ID: IA-1

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98123

Canister: 53445 Lab File ID: 1216_35.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.191		0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.067		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.130		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_35.D
Acq On : 17 Dec 2025 11:41 pm
Operator :
Client ID : IA-1
Lab ID : CU98123
ALS Vial : 31 Sample Multiplier: 1

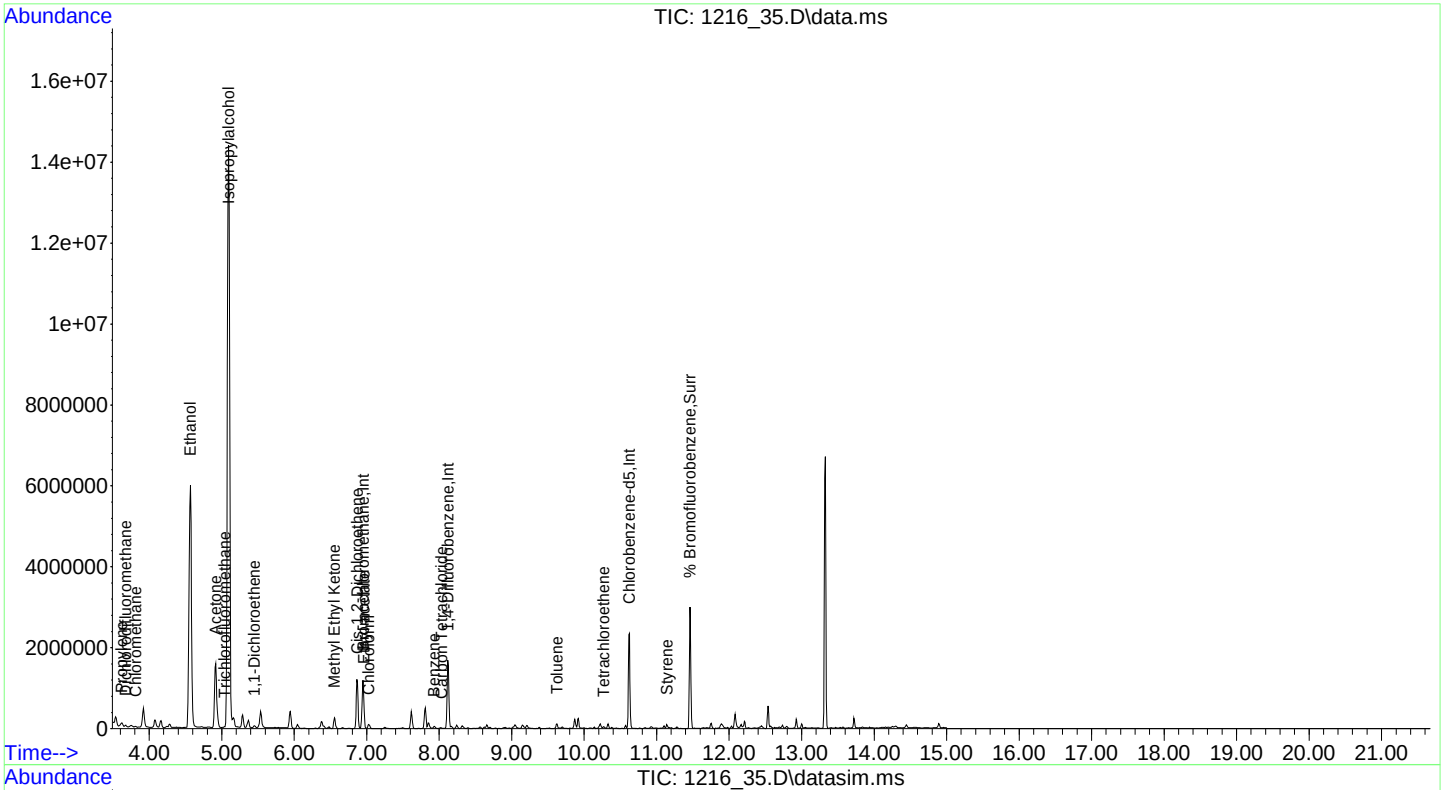
Quant Time: Dec 18 11:21:30 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

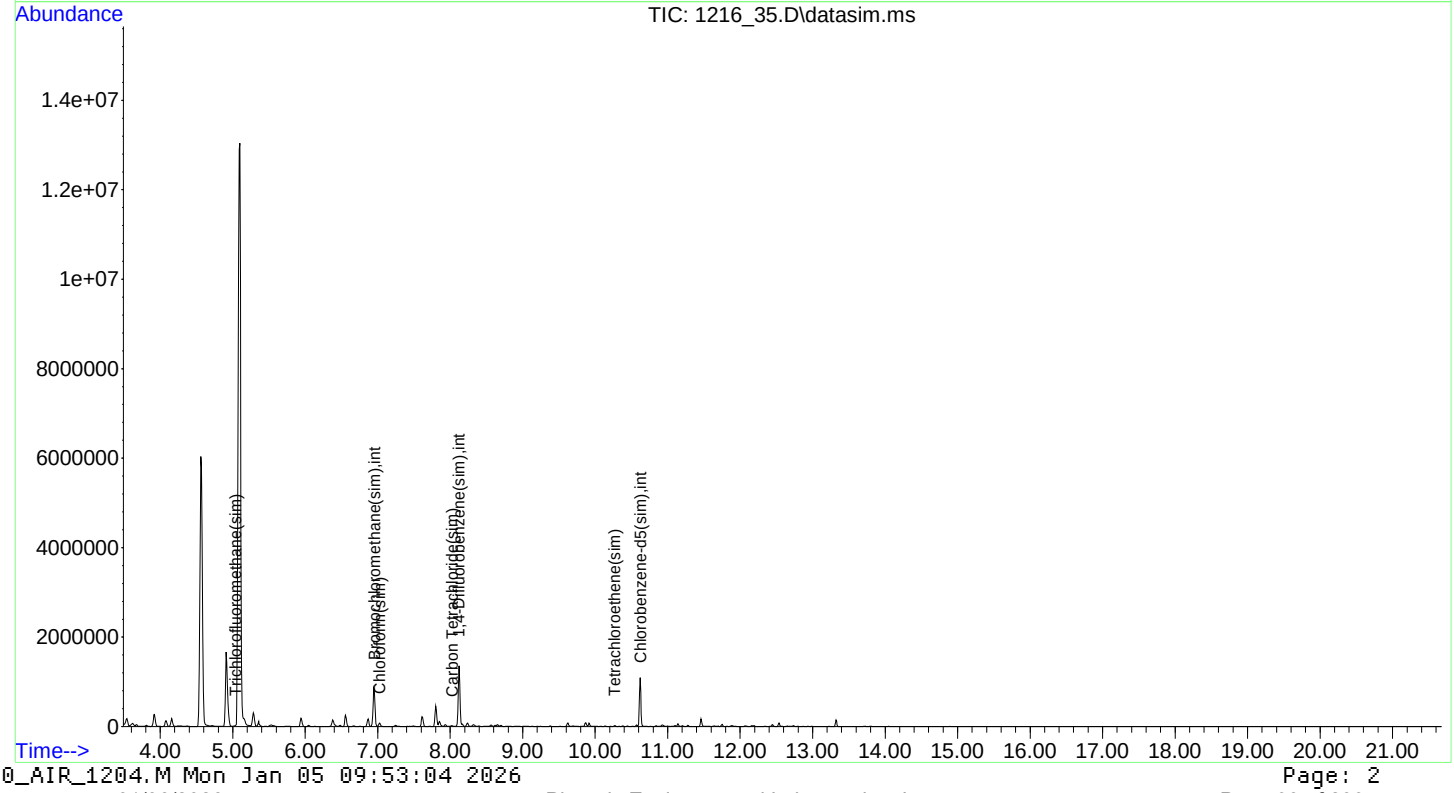
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.950	130	291580	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1082336	10.000	ng		0.00
53) Chlorobenzene-d5	10.624	82	597331	10.000	ng		0.00
80) Bromochloromethane(sim)	6.953	130	306360	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1082336	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.624	82	597331	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	814226	10.374	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.70%				
Target Compounds							Qvalue
2) Propylene	3.618	41	46987	1.280	ppbv#		81
3) Dichlorodifluoromethane	3.674	85	38963	0.464	ppbv		97
4) Chloromethane	3.812	50	29716	0.752	ppbv		91
11) Ethanol	4.567	45	8311731	701.749	ppbv#		39
12) Acetone	4.916	43	2020308	30.451	ppbv#		78
13) Trichlorofluoromethane	5.037	101	17140	0.201	ppbv#		96
14) Isopropylalcohol	5.094	45	20186354	270.481	ppbv#		93
16) 1,1-Dichloroethene	5.451	61	7500	0.115	ppbv#		34
25) Methyl Ethyl Ketone	6.553	43	326013	3.354	ppbv#		93
26) Cis-1,2-Dichloroethene	6.872	61	3603	0.059	ppbv#		23
28) Chloroform	7.027	83	55246	0.790	ppbv		91
29) Ethyl acetate	6.958	61	9787	0.699	ppbv#		64
33) Benzene	7.928	78	36736	0.343	ppbv#		93
34) Carbon Tetrachloride	8.032	117	4484	0.063	ppbv		95
48) Toluene	9.623	91	54866	0.418	ppbv		98
52) Tetrachloroethene	10.264	166	8066	0.131	ppbv		97
59) Styrene	11.140	104	33726	0.376	ppbv#		44
84] Trichlorofluoromethane...	5.040	101	18137	0.191	ppbv#		100
87] Benzene(sim)	7.928	78	36736	0.307	ppbv#		93
88] Carbon Tetrachloride(sim)	8.026	117	5025	0.067	ppbv		100
94] Chloroform(sim)	7.023	83	58499	0.756	ppbv		97
104] Tetrachloroethene(sim)	10.267	166	8907	0.129	ppbv		94

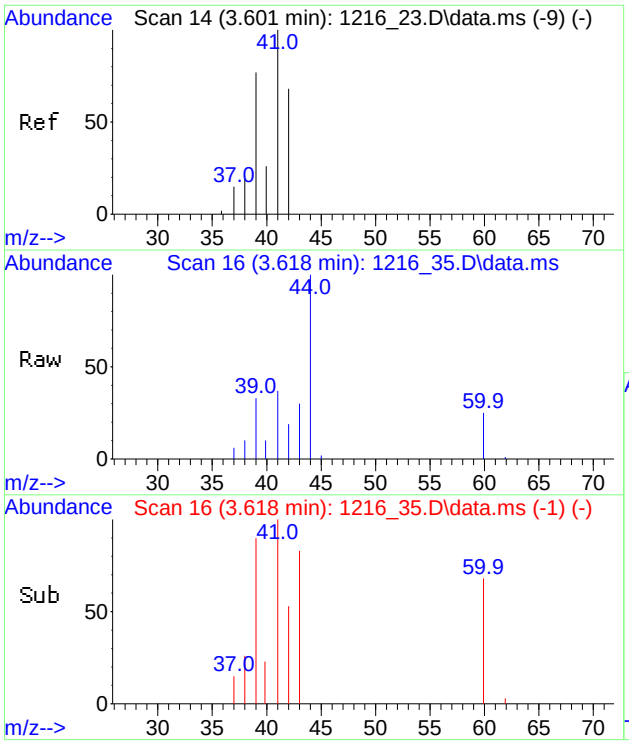
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_35.D
Acq On : 17 Dec 2025 11:41 pm
Operator :
Client ID : IA-1
Lab ID : CU98123
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 18 11:21:30 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration



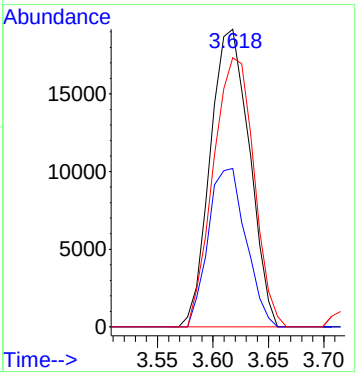


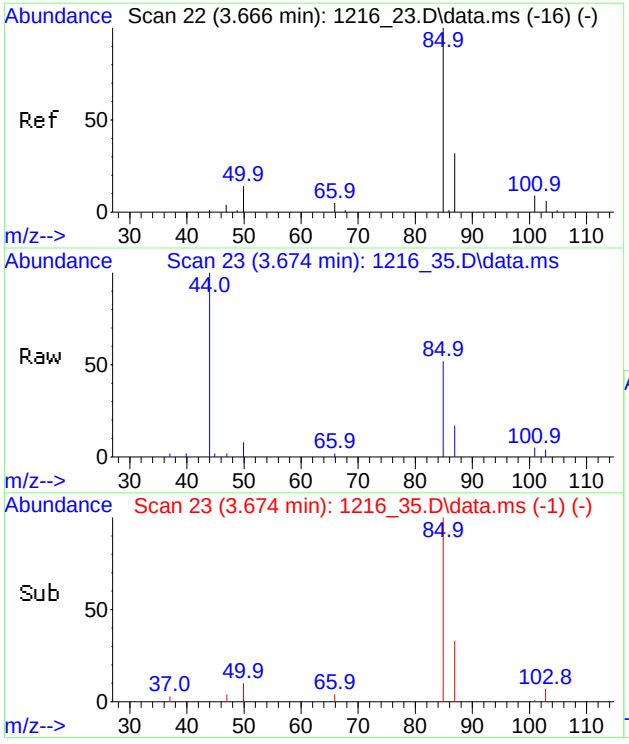


#2
Propylene
Conc: 8$ 1.280 ppbv
RT: 3.618 min Scan# 16
Delta R.T. 0.016 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 41 Resp: 46987

Ion	Ratio	Lower	Upper
41	100		
42	51.2	58.3	87.5#
39	93.8	66.3	99.5

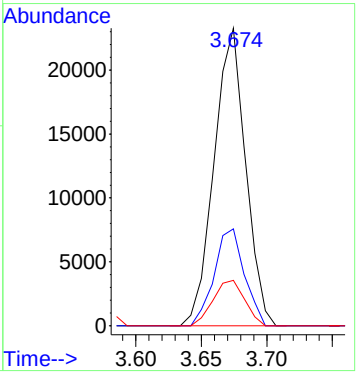


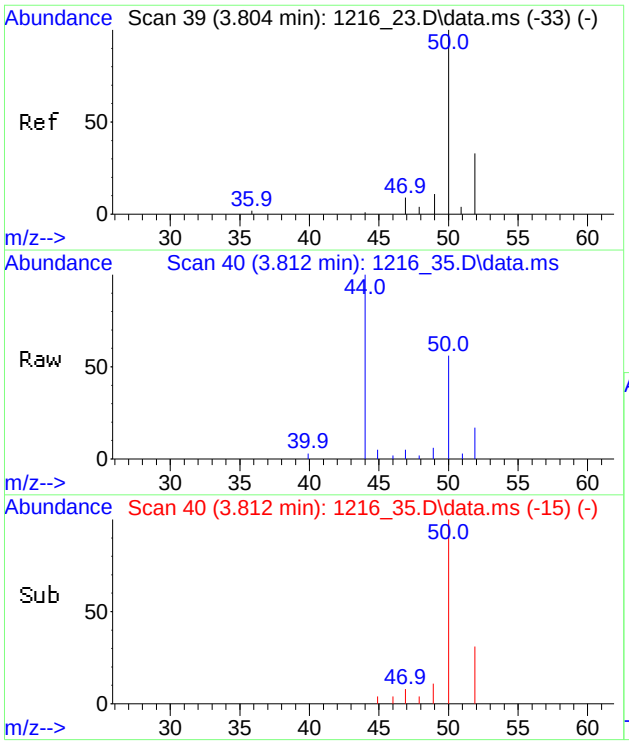


#3
Dichlorodifluoromethane
Conc: 8$ 0.464 ppbv
RT: 3.674 min Scan# 23
Delta R.T. 0.008 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 85 Resp: 38963

Ion	Ratio	Lower	Upper
85	100		
87	31.3	25.8	38.8
50	15.3	10.6	15.8

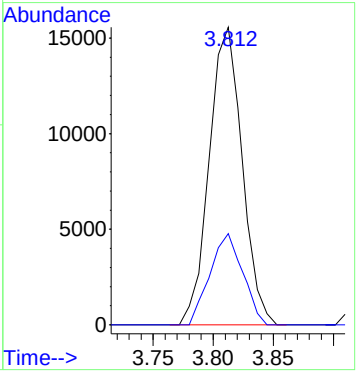


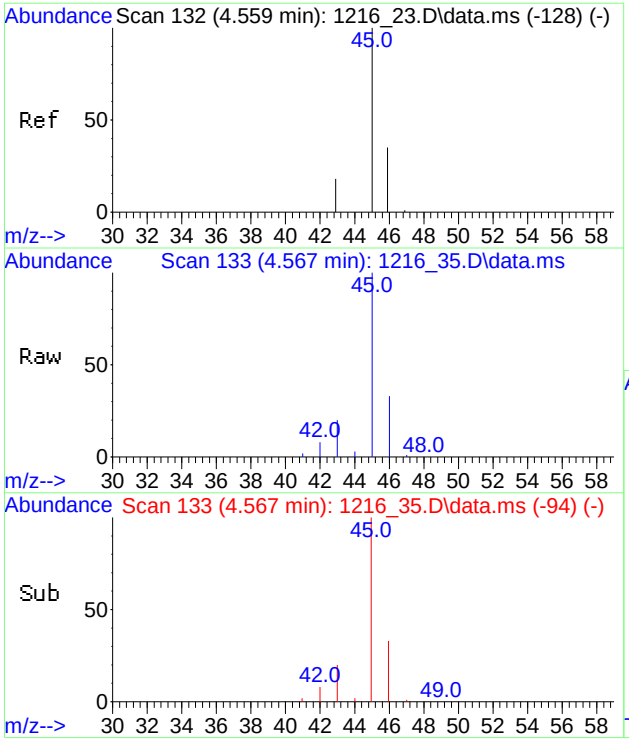


#4
Chloromethane
Conc: 8$ 0.752 ppbv
RT: 3.812 min Scan# 40
Delta R.T. 0.000 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 50 Resp: 29716

Ion	Ratio	Lower	Upper
50	100		
52	30.5	15.5	55.5

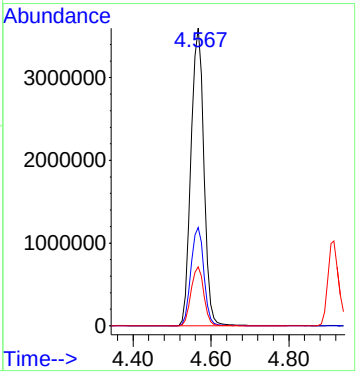


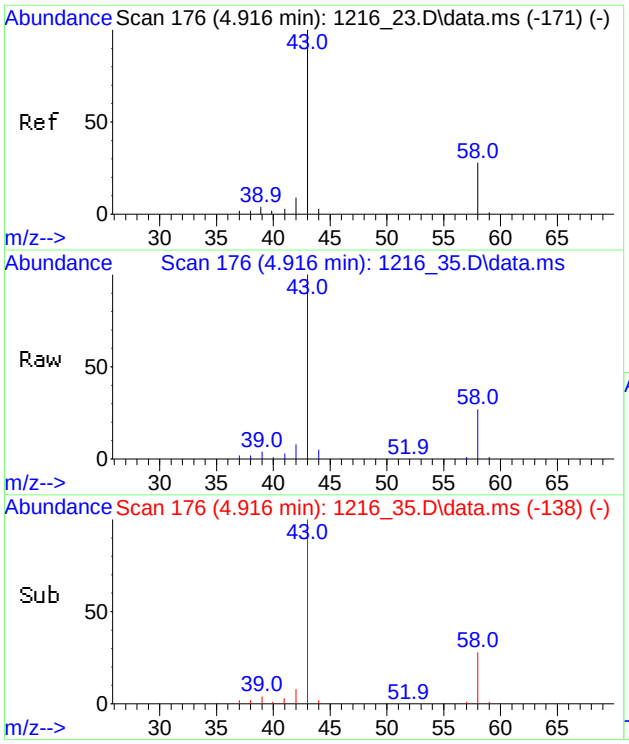


#11
Ethanol
Conc: 8$ 701.749 ppbv
RT: 4.567 min Scan# 133
Delta R.T. 0.016 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 45 Resp: 8311731

Ion	Ratio	Lower	Upper
45	100		
46	33.1	0.6	0.8#
43	19.7	0.0	0.0#

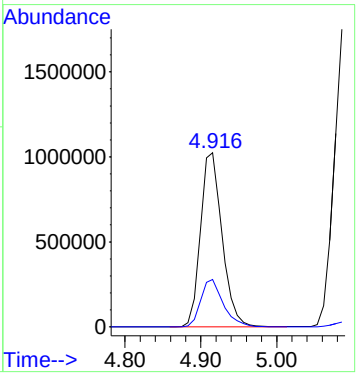


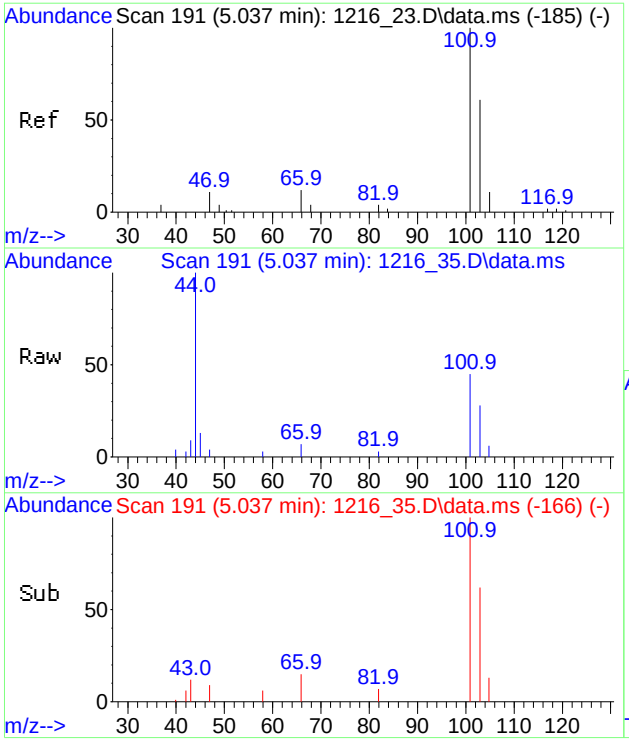


#12
Acetone
Conc: 8$ 30.451 ppbv
RT: 4.916 min Scan# 176
Delta R.T. 0.008 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 43 Resp: 2020308

Ion	Ratio	Lower	Upper
43	100		
58	28.5	0.2	0.2#

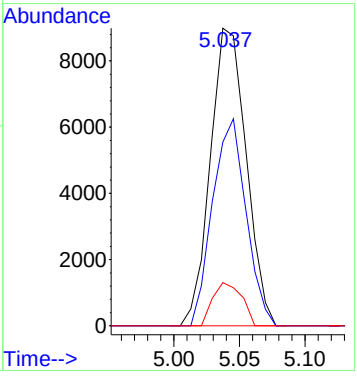


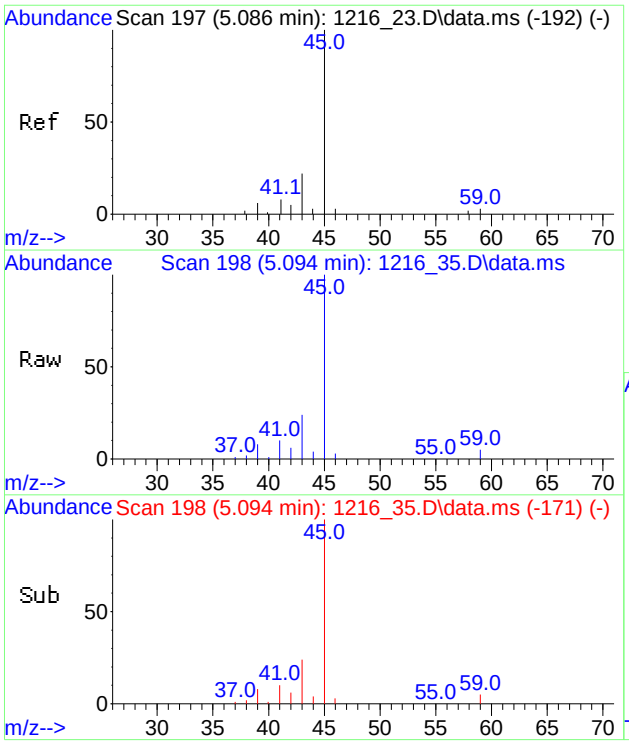


#13
Trichlorofluoromethane
Conc: 8$ 0.201 ppbv
RT: 5.037 min Scan# 191
Delta R.T. 0.000 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion:101 Resp: 17140

Ion	Ratio	Lower	Upper
101	100		
103	64.8	49.8	74.8
66	11.7	12.1	18.1#

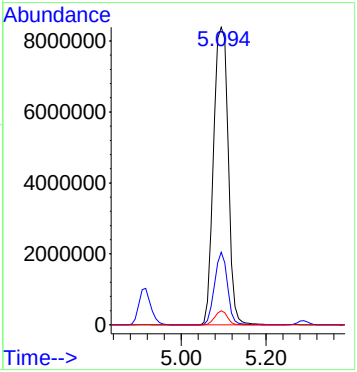


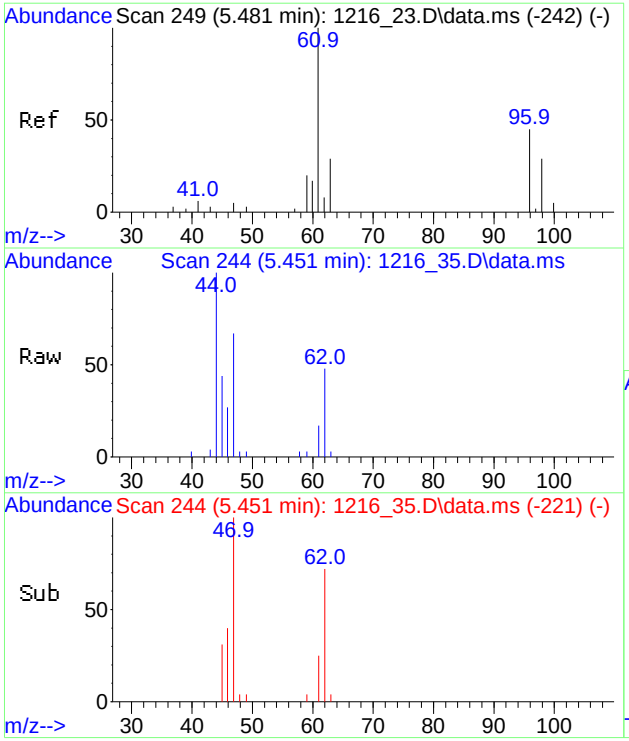


#14
Isopropylalcohol
Conc: 8$ 270.481 ppbv
RT: 5.094 min Scan# 198
Delta R.T. 0.016 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 45 Resp:20186354

Ion	Ratio	Lower	Upper
45	100		
43	21.3	0.0	0.0#
59	4.0	0.6	1.0#

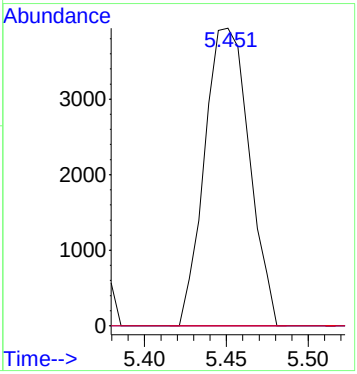


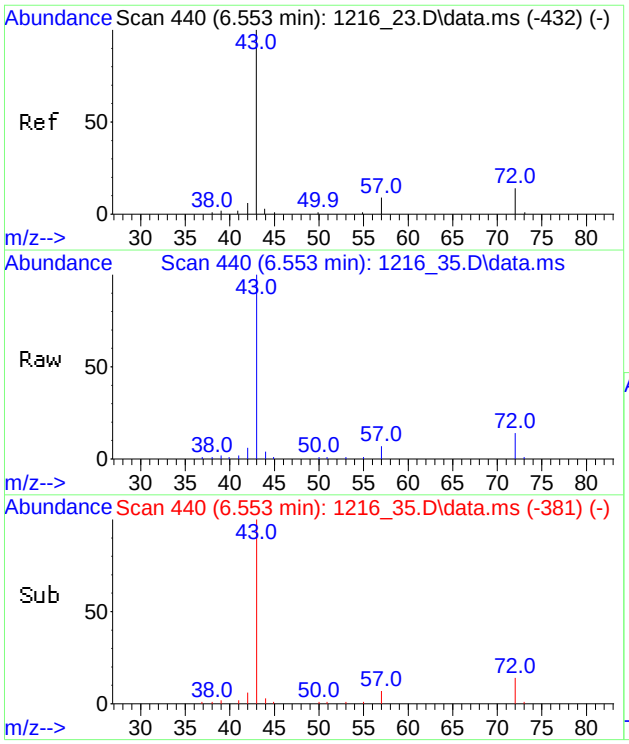


#16
1,1-Dichloroethene
Conc: 8$ Below Cal
RT: 5.451 min Scan# 244
Delta R.T. -0.030 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 61 Resp: 7500

Ion	Ratio	Lower	Upper
61	100		
96	0.0	39.5	59.3#
98	0.0	24.2	36.2#

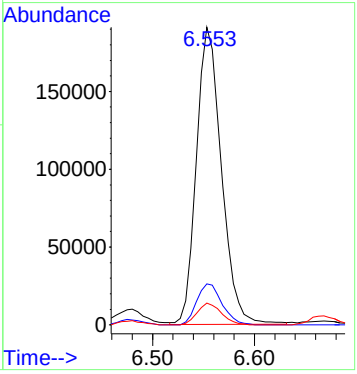


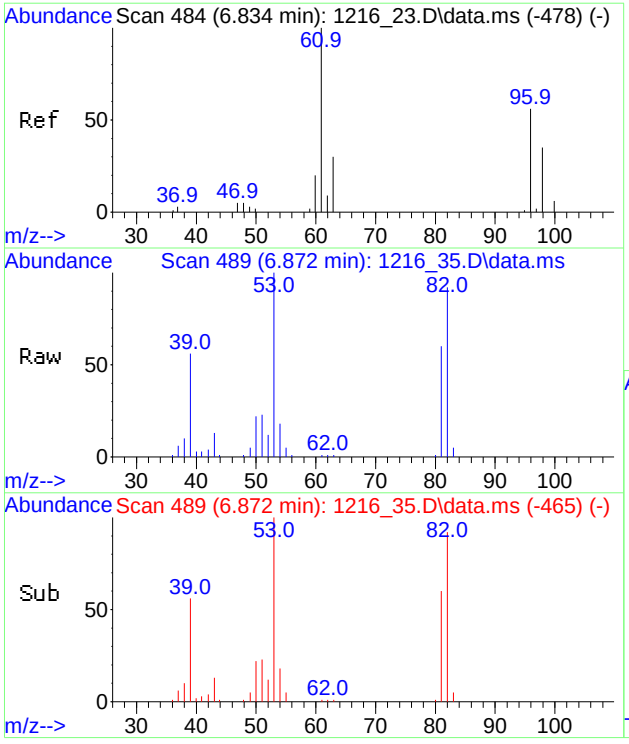


#25
Methyl Ethyl Ketone
Conc: 8$ 3.354 ppbv
RT: 6.553 min Scan# 440
Delta R.T. 0.010 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 43 Resp: 326013

Ion	Ratio	Lower	Upper
43	100		
72	13.8	0.0	0.0#
57	7.1	0.2	0.4#

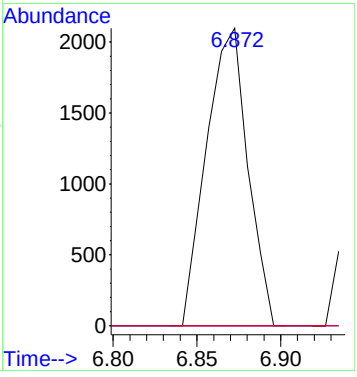


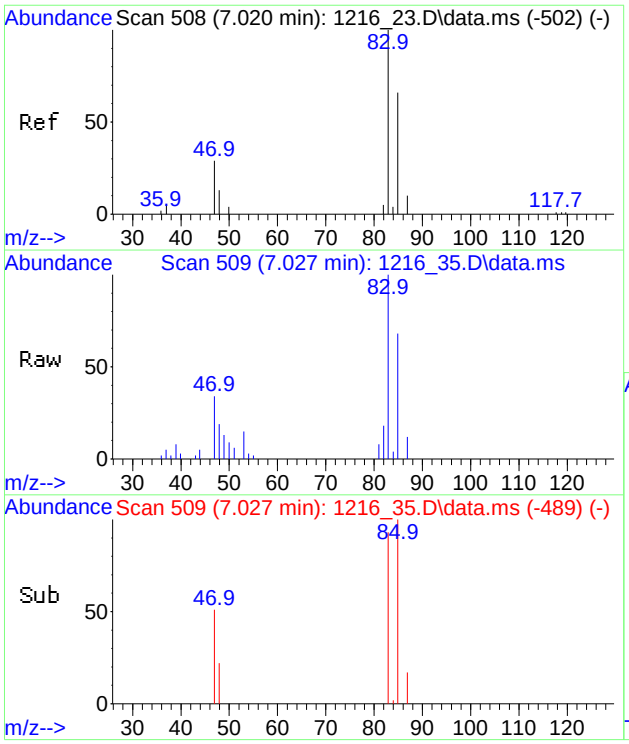


#26
Cis-1,2-Dichloroethene
Conc: 8$ Below Cal
RT: 6.872 min Scan# 489
Delta R.T. 0.038 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 61 Resp: 3603

Ion	Ratio	Lower	Upper
61	100		
96	0.0	52.8	79.2#
98	0.0	36.0	54.0#

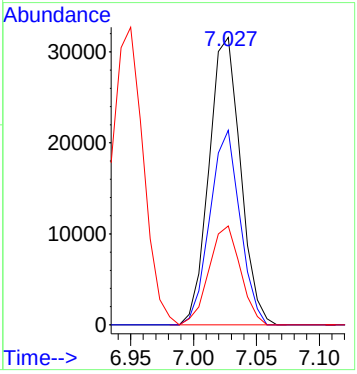


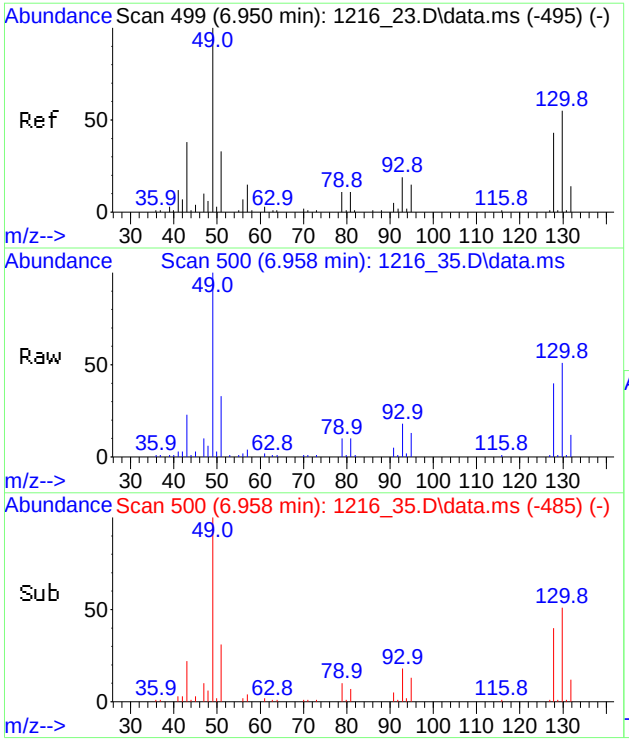


#28
Chloroform
Conc: 8$ 0.790 ppbv
RT: 7.027 min Scan# 509
Delta R.T. 0.007 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 83 Resp: 55246

Ion	Ratio	Lower	Upper
83	100		
85	64.8	39.7	79.7
47	34.3	7.3	47.3

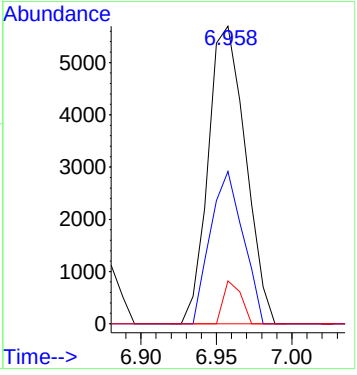


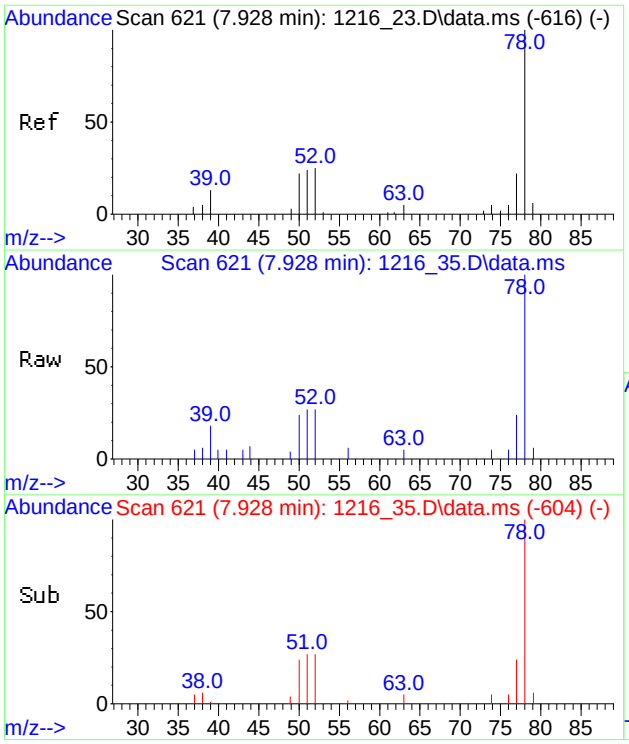


#29
Ethyl acetate
Conc: 8$ 0.699 ppbv
RT: 6.958 min Scan# 500
Delta R.T. 0.016 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 61 Resp: 9787

Ion	Ratio	Lower	Upper
61	100		
70	45.0	62.8	94.2#
88	6.8	14.7	22.1#

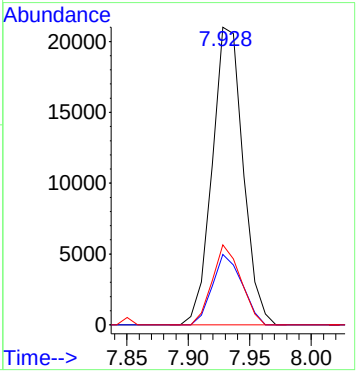


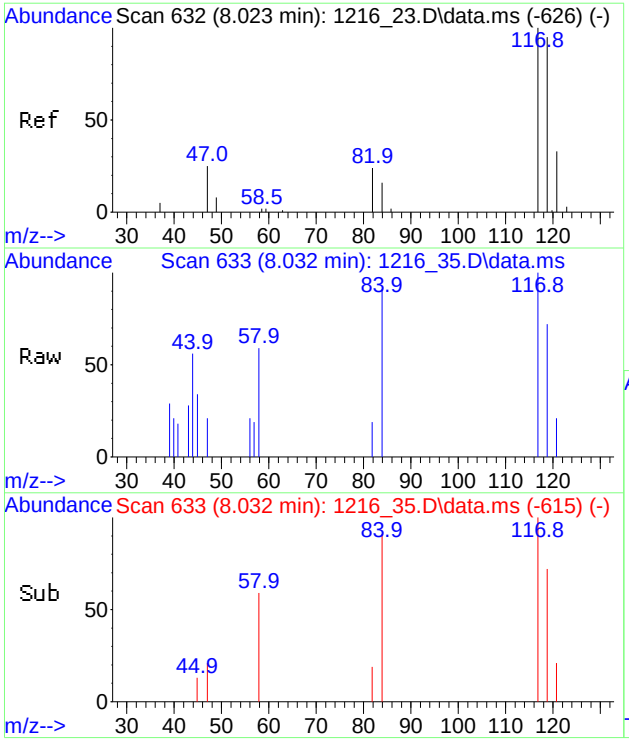


#33
Benzene
Conc: 8$ 0.343 ppbv
RT: 7.928 min Scan# 621
Delta R.T. 0.000 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 78 Resp: 36736

Ion	Ratio	Lower	Upper
78	100		
77	22.8	17.4	26.0
51	25.0	15.8	23.6#

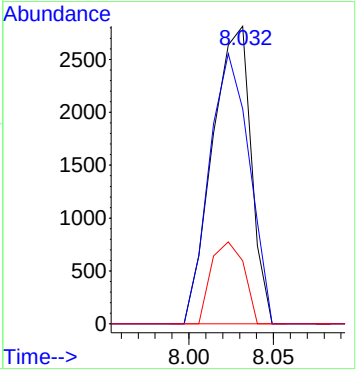


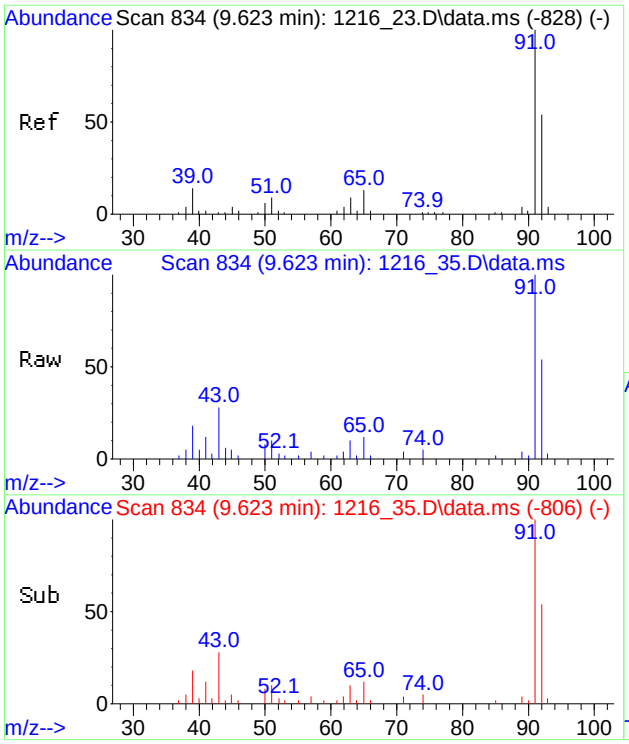


#34
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 8.032 min Scan# 633
Delta R.T. 0.009 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion:117 Resp: 4484

Ion	Ratio	Lower	Upper
117	100		
119	93.6	74.9	114.9
121	23.3	11.2	51.2

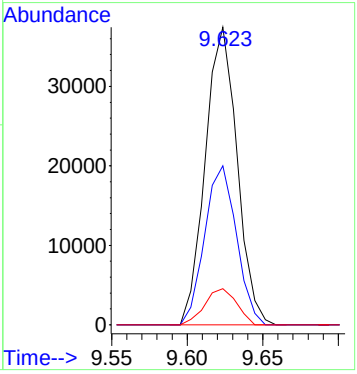


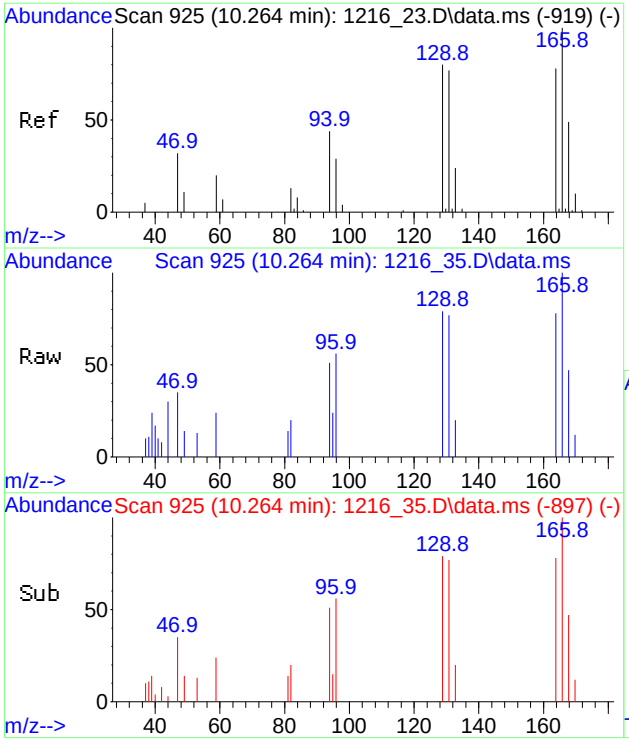


#48
Toluene
Conc: 8$ 0.418 ppbv
RT: 9.623 min Scan# 834
Delta R.T. -0.001 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 91 Resp: 54866

Ion	Ratio	Lower	Upper
91	100		
92	53.3	43.8	65.8
65	12.2	10.6	16.0

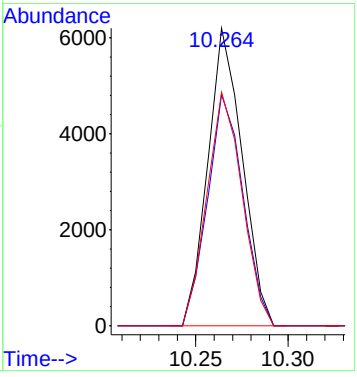


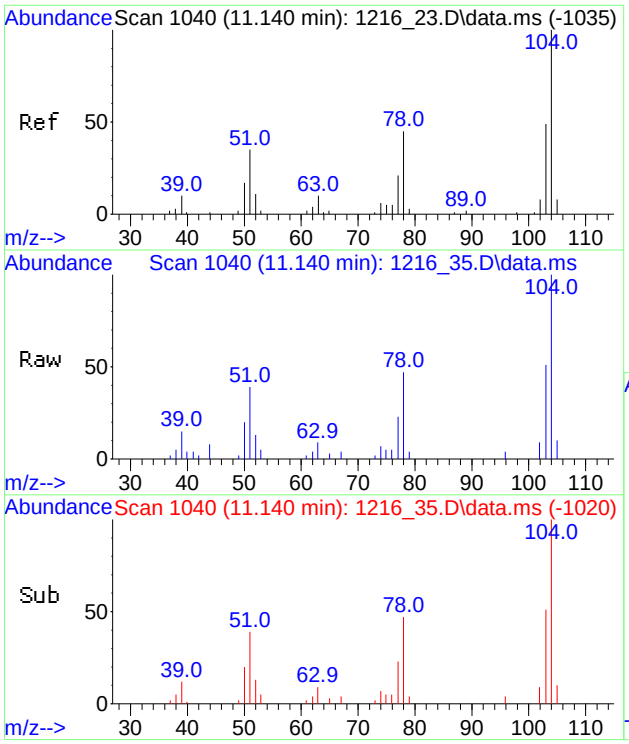


#52
Tetrachloroethene
Conc: 8$ Below Cal
RT: 10.264 min Scan# 925
Delta R.T. 0.000 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion:166 Resp: 8066

Ion	Ratio	Lower	Upper
166	100		
164	80.0	63.4	95.2
129	80.1	68.4	102.6

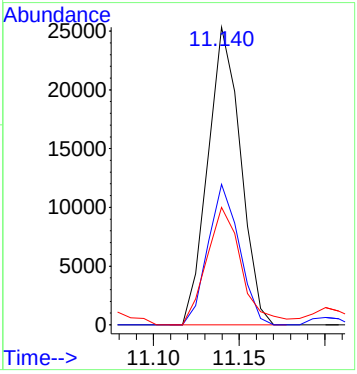


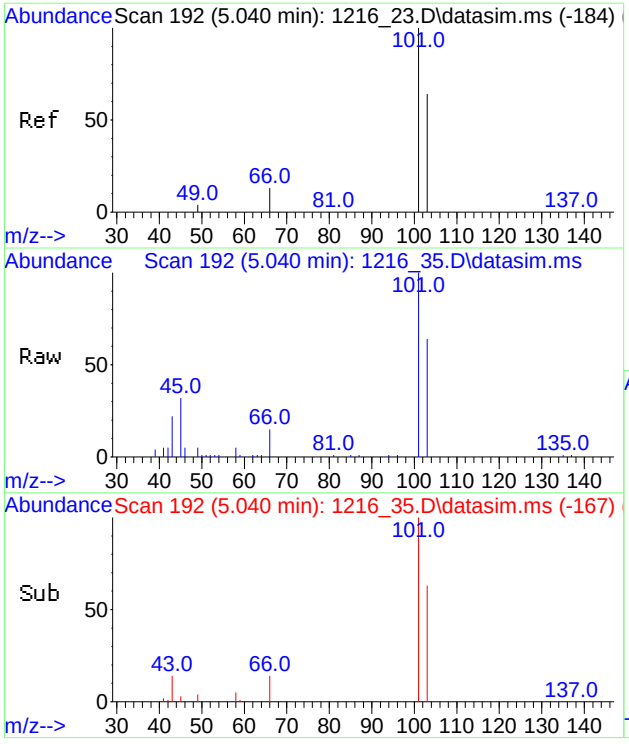


#59
Styrene
Conc: 8$ 0.376 ppbv
RT: 11.140 min Scan# 1040
Delta R.T. -0.000 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion:104 Resp: 33726

Ion	Ratio	Lower	Upper
104	100		
78	45.1	11.5	17.3#
51	42.2	17.2	25.8#

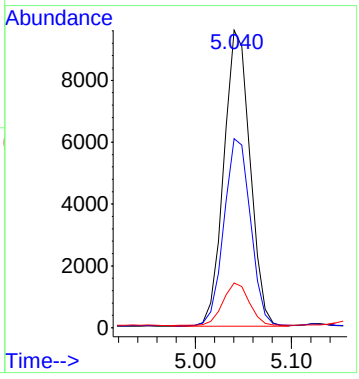


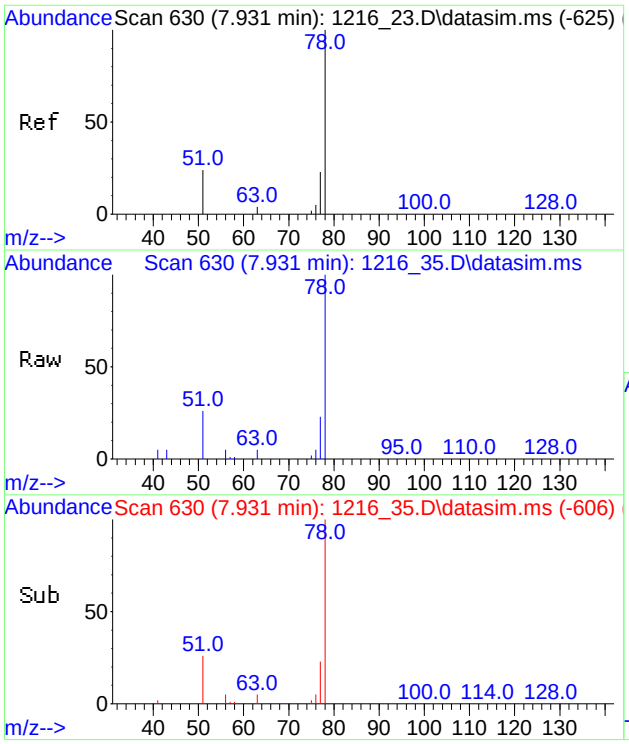


#84
Trichlorofluoromethane(sim)
Conc: 8$ 0.191 ppbv
RT: 5.040 min Scan# 192
Delta R.T. 0.000 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion:101 Resp: 18137

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.0
66	14.4	15.1	15.1#

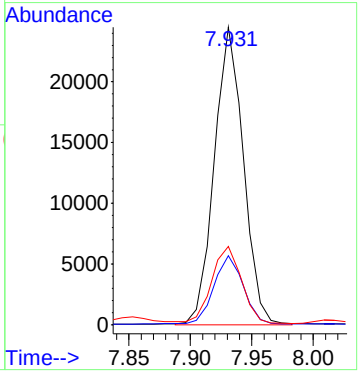


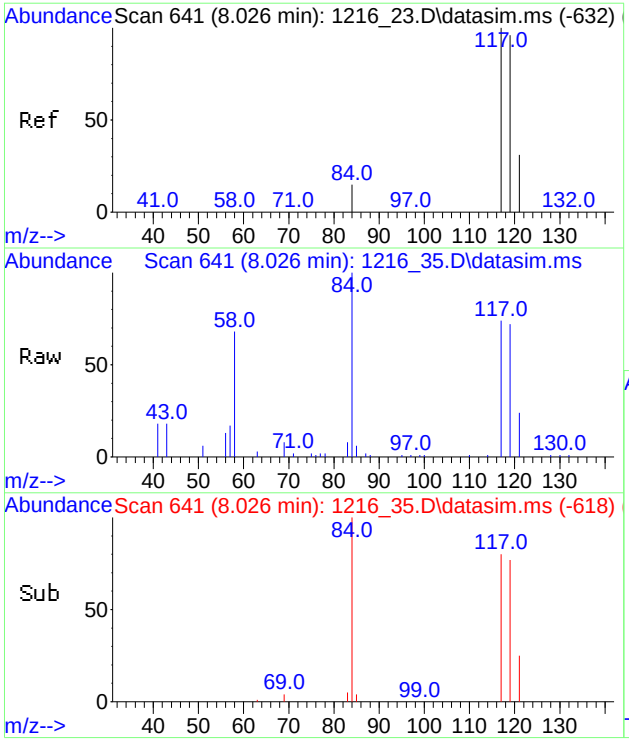


#87
Benzene(sim)
Conc: 8$ 0.307 ppbv
RT: 7.928 min Scan# 630
Delta R.T. 0.000 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 78 Resp: 36736

Ion	Ratio	Lower	Upper
78	100		
77	22.8	17.4	26.0
51	25.0	15.8	23.6#

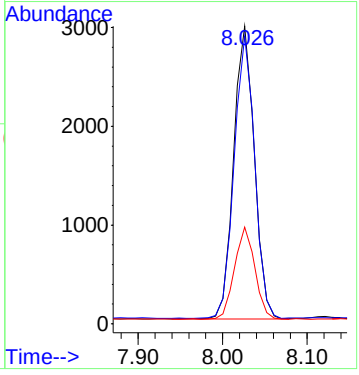


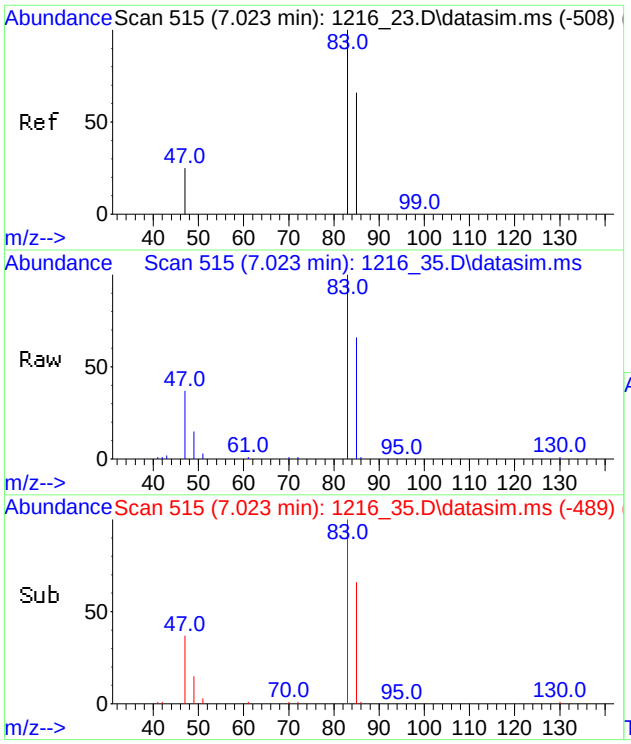


#88
Carbon Tetrachloride(sim)
Conc: 8$ 0.067 ppbv
RT: 8.026 min Scan# 641
Delta R.T. 0.000 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion:117 Resp: 5025

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	115.0
121	30.8	24.2	36.4

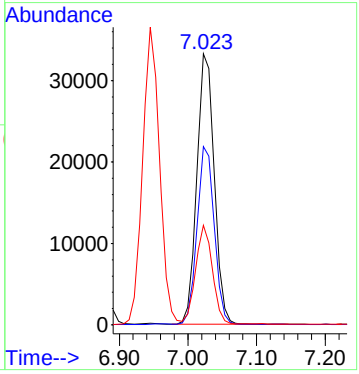


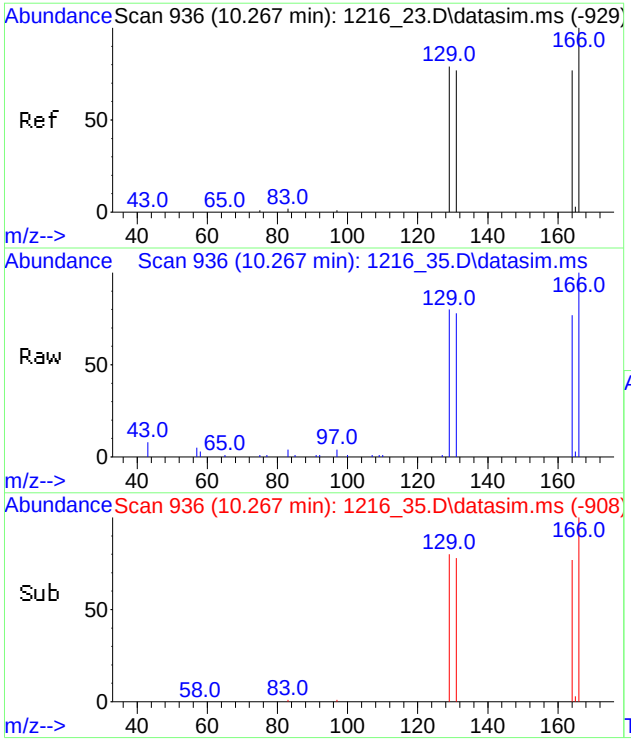


#94
Chloroform(sim)
Conc: 8$ 0.756 ppbv
RT: 7.023 min Scan# 515
Delta R.T. -0.000 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion: 83 Resp: 58499

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.2
47	35.2	24.2	36.4

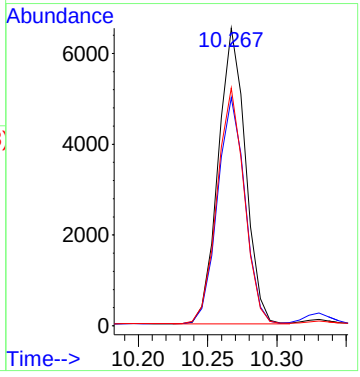




#104
Tetrachloroethene(sim)
Conc: 8$ 0.129 ppbv
RT: 10.267 min Scan# 936
Delta R.T. -0.000 min
Lab File: 1216_35.D
Acq: 17 Dec 2025 11:41 pm

Tgt Ion:166 Resp: 8907

Ion	Ratio	Lower	Upper
166	100		
164	77.1	54.6	94.6
129	79.2	52.2	92.2



Response Factor Report CHEM20

Method Path : H:\AIR2025\CHEM20\Methods\
Method File : 20_AIR_1204.M
Title : VOA Standards for 5 point calibration
Last Update : Fri Dec 05 08:55:16 2025
Response Via : Initial Calibration

Calibration Files (Note: Curves (l,lf,q,qf) display calculated conc and corr. coefficient.)
.035=1204_16.D 0.05=1204_17.D 0.10=1204_18.D 0.2 =1204_19.D 0.5 =1204_20.D 1.0 =1204_25.D 2.5 =1204_21.D 5.0 =1204_22.D
10 =1204_26.D 25 =1204_23.D 40 =1204_24.D 0.02=1204_15.D 0.01=1204_14.D

	Compound	.035	0.05	0.10	0.2	0.5	1.0	2.5	5.0	10	25	40	0.02	0.01	Avg	%RSD
1)	Int Bromochloromethane	----------ISTD----------														
2)	Propylene					1.287	1.261	1.259	1.349	1.238	1.231	1.190			1.259	3.95
3)	Dichlorodifluo...				2.991	2.842	2.917	2.924	3.110	2.889	2.749	2.629			2.881	5.08
4)	Chloromethane				1.509	1.434	1.333	1.360	1.412	1.297	1.266	1.234			1.355	6.81
5)	1,2-Dichlorote...				2.817	2.730	2.757	2.794	2.882	2.662	2.554	2.483			2.710	5.00
6)	Vinyl Chloride				1.284	1.272	1.297	1.320	1.345	1.250	1.232	1.215			1.277	3.46
7)	1,3-Butadiene				1.169	1.213	1.090	1.140	1.172	1.078	1.055	1.027			1.118	5.82
8)	Bromomethane				1.090	1.023	1.106	1.087	1.131	1.033	0.949	0.945			1.045	6.75
9)	Chloroethane				0.535	0.574	0.610	0.613	0.652	0.605	0.605	0.583			0.597	5.72
11)	Ethanol				0.624	0.469	0.391	0.316	0.371	0.356	0.358	0.366			0.406	24.14
12)	Acetone				2.540	2.322	2.292	2.229	2.343	2.190	2.150	2.138			2.275	5.78
13)	Trichlorofluor...				2.819	2.772	3.063	3.022	3.156	2.926	2.860	2.835			2.932	4.62
14)	Isopropylalcohol				2.849	2.739	2.773	2.408	2.612	2.419	2.351	2.326			2.560	8.16
15)	Acrylonitrile				0.919	0.877	0.761	0.832	0.860	0.838	0.845	0.837			0.846	5.28
16)	1,1-Dichloroet...				2.292	2.194	2.312	2.287	2.388	2.221	2.149	2.117			2.245	4.05
17)	Methylene Chlo...				2.219	1.944	1.895	1.853	1.896	1.726	1.686	1.666			1.861	9.62
20)	Carbon Disulfide				3.110	2.986	3.282	3.203	3.325	3.064	3.032	3.020			3.128	4.07
21)	Trichlorotrifl...				2.139	2.150	2.440	2.404	2.460	2.286	2.233	2.216			2.291	5.61
22)	Trans-1,2-Dich...				2.208	2.146	2.148	2.140	2.258	2.101	2.075	2.058			2.142	3.11
23)	1,1-Dichloroet...				2.632	2.519	2.551	2.498	2.599	2.418	2.393	2.366			2.497	3.89
24)	Methyl tert-bu...				3.323	3.200	3.146	3.045	3.152	2.920	2.818	2.791			3.049	6.25
25)	Methyl Ethyl K...				3.478	3.474	3.450	3.470	3.218	3.006	3.312	3.262			3.334	5.06
26)	Cis-1,2-Dichlo...				2.072	2.121	2.077	2.088	2.182	2.057	2.067	2.050			2.089	2.08
27)	Hexane				2.509	2.329	2.339	2.315	2.426	2.233	2.191	2.160			2.313	5.08
28)	Chloroform				2.430	2.396	2.414	2.402	2.492	2.365	2.353	2.332			2.398	2.10
29)	Ethyl acetate				0.441	0.447	0.492	0.494	0.515	0.486	0.485	0.481			0.480	5.15
30)	Tetrahydrofuran				1.838	1.793	1.786	1.698	1.786	1.675	1.685	1.667			1.741	3.83
31)	1,2-Dichloroet...				1.807	1.855	1.854	1.890	1.947	1.855	1.842	1.846			1.862	2.22
32)	1,1,1-Trichlor...				2.504	2.334	2.516	2.468	2.620	2.507	2.491	2.491			2.491	3.14
33)	Benzene				3.822	3.631	3.735	3.652	3.830	3.583	3.594	3.557			3.675	2.92
34)	Carbon Tetrach...				2.258	2.256	2.433	2.413	2.593	2.502	2.521	2.542			2.440	5.19
35)	Cyclohexane				1.509	1.427	1.368	1.370	1.442	1.344	1.327	1.325			1.389	4.66
36)	Int 1,4-Difluorobenzene	----------ISTD----------														
37)	1,2-dichloropr...				0.469	0.471	0.473	0.477	0.502	0.475	0.471	0.460			0.475	2.53
38)	Bromodichlorom...				0.635	0.647	0.694	0.675	0.726	0.694	0.686	0.673			0.679	4.21
39)	Trichloroethene				0.439	0.434	0.443	0.425	0.440	0.408	0.383	0.365			0.417	6.98
40)	2,2,4-trimethy...				2.147	2.074	2.096	2.048	2.091	1.905	1.806	1.706			1.984	8.03
41)	1,4-Dioxane				0.172	0.183	0.152	0.128	0.162	0.155	0.150	0.148			0.156	10.58
43)	Heptane				0.908	0.877	0.839	0.843	0.870	0.800	0.777	0.746			0.833	6.55

Method Path : H:\AIR2025\CHEM20\Methods\
Method File : 20_AIR_1204.M
Title : VOA Standards for 5 point calibration

44)	cis-1,3-Dichlo...	0.571	0.575	0.591	0.588	0.611	0.579	0.567	0.555				0.580	2.94
45)	4-Methyl-2-pen...	1.161	1.077	1.025	0.971	0.991	0.949	0.901	0.853				0.991	9.88
46)	trans-1,3-Dich...	0.441	0.441	0.474	0.464	0.499	0.479	0.482	0.481				0.470	4.35
47)	1,1,2-Trichlor...	0.391	0.405	0.416	0.414	0.428	0.409	0.400	0.390				0.407	3.22
48)	Toluene	1.276	1.232	1.235	1.233	1.269	1.197	1.148	1.104				1.212	4.91
49)	Dibromochlorom...	0.628	0.616	0.717	0.684	0.742	0.732	0.722	0.712				0.694	6.88
50)	2-Hexanone(MBK)	1.071	1.002	0.675	0.654	0.860	0.828	0.804	0.786				0.835	17.32
51)	1,2-Dibromoeth...	0.645	0.638	0.668	0.658	0.689	0.659	0.647	0.631				0.654	2.85
52)	Tetrachloroethene	0.591	0.561	0.574	0.574	0.603	0.568	0.545	0.523				0.567	4.39
53)	Int Chlorobenzene-d5	----------ISTD----------												
54)	1,1,1,2-Tetrac...	0.791	0.795	0.894	0.850	0.893	0.831	0.757	0.693				0.813	8.42
55)	Chlorobenzene	1.647	1.644	1.667	1.583	1.607	1.462	1.297	1.178				1.511	12.10
56)	Ethylbenzene	2.913	2.882	2.931	2.810	2.845	2.561	2.270	2.031				2.655	12.74
57)	m,p-Xylene	2.303	2.279	1.823	2.142	2.161	1.925	1.679	1.490				1.975	14.96
58)	Bromoform	0.978	1.004	1.236	1.116	1.236	1.171	1.088	1.003				1.104	9.41
59)	Styrene	1.611	1.606	1.672	1.567	1.605	1.466	1.294	1.190				1.501	11.49
60)	1,1,2,2-Tetrac...	1.641	1.602	1.649	1.508	1.556	1.416	1.250	1.124				1.468	13.11
61)	o-Xylene	2.471	2.285	2.306	2.161	2.171	1.960	1.709	1.524				2.073	15.48
62)	Surr% Bromofluorob...	1.352	1.378	1.356	1.335	1.335	1.305	1.249	1.203				1.314	4.53
64)	Isopropylbenzene	3.191	3.148	3.243	3.065	3.093	2.825	2.462	2.199				2.903	13.13
66)	4-Ethyltoluene	3.200	3.226	3.143	2.988	3.060	2.742	2.401	2.119				2.860	14.23
67)	1,3,5-Trimethy...	2.632	2.597	2.576	2.375	2.428	2.167	1.931	1.738				2.306	14.34
68)	1,2,4-Trimethy...	2.720	2.636	2.635	2.442	2.516	2.243	1.944	1.692				2.353	15.62
70)	Benzyl chloride	1.558	1.602	1.728	1.548	1.790	1.729	1.583	1.452				1.624	7.03
71)	1,3-Dichlorobe...	1.735	1.667	1.681	1.517	1.593	1.427	1.246	1.189				1.507	13.52
72)	1,4-Dichlorobe...	1.599	1.597	1.611	1.426	1.499	1.364	1.197	0.982				1.409	15.87
73)	sec-Butylbenzene	4.041	4.035	3.991	3.704	3.704	3.287	2.813	2.438				3.501	17.23
74)	4-Isopropyltol...	3.720	3.613	3.632	3.376	3.414	3.051	2.630	2.293				3.216	16.08
75)	1,2-Dichlorobe...	1.569	1.530	1.536	1.347	1.481	1.353	1.217	1.103				1.392	12.06
76)	n-Butylbenzene	3.200	3.097	3.223	2.992	3.089	2.820	2.479	2.180				2.885	12.95
77)	1,2,4-Trichlor...	0.883	0.895	1.011	0.797	0.916	0.913	0.877	0.820				0.889	7.32
78)	Naphthalene	2.025	2.094	2.288	1.621	1.762	1.784	1.685	1.582				1.855	13.59
79)	Hexachlorobuta...	1.342	1.234	1.189	1.027	1.098	1.003	0.902	0.812				1.076	16.35
80)	int Bromochloromethane...	----------ISTD----------												
81)	1,2-Dichlorote...	2.787	2.458	2.818	2.732	2.670	2.680	2.731	2.810			3.086	2.752	6.02
82)	Vinyl Chloride...	1.421	1.393	1.456	1.389	1.356	1.370	1.380	1.426			1.600 1.996	1.479	13.17
83)	Bromomethane(sim)	1.093	1.050	1.069	1.057	1.001	1.076	1.063	1.102			1.298 1.544	1.135	14.42
84)	Trichlorofluor...	2.950	2.838	3.084	2.899	2.845	3.092	3.066	3.202			3.172 3.781	3.093	8.87
85)	1,2-Dichloroet...	2.060	1.861	1.751	1.752	1.814	1.803	1.847	1.899			2.212 2.522	1.952	12.64
86)	1,1,1-Trichlor...	2.631	2.576	2.676	2.561	2.510	2.615	2.590	2.720			2.891 3.383	2.715	9.48
87)	Benzene(sim)	4.491	4.539	3.890	3.707	3.551	3.631	3.570					3.911	10.93
88)	Carbon Tetrach...	2.315	2.240	2.421	2.275	2.240	2.497	2.429				2.489 3.105	2.446	10.93
89)	1,1-Dichloroet...	2.450	2.313	2.356	2.223	2.145	2.247	2.236	2.329			2.513 2.901	2.371	9.09
90)	Trichlorotrifl...	2.276	2.202	2.631	2.220	2.177	2.467	2.412	2.476			2.486	2.372	6.68
91)	Trans-1,2-Dich...	2.306	1.935	2.229	2.142	2.098	2.088	2.092	2.201				2.137	5.25
92)	1,1-Dichloroet...	2.784	2.698	2.858	2.747	2.683	2.688	2.657	2.749			3.036 3.624	2.852	10.28
93)	Cis-1,2-Dichlo...	2.308	1.750	2.084	2.010	2.075	2.019	2.041				2.446 2.921	2.184	15.49
94)	Chloroform(sim)	2.513	2.473	2.597	2.490	2.426	2.476	2.450	2.554			2.758	2.526	4.01

Method Path : H:\AIR2025\CHEM20\Methods\
Method File : 20_AIR_1204.M
Title : VOA Standards for 5 point calibration

95)	int	1,4-Difluorobenzen...	----------ISTD----------												
96)		1,2-dichloropr...	0.542	0.519	0.541	0.520	0.506	0.513	0.518	0.542	0.586		0.532	4.56	
97)		Bromodichlorom...	0.738	0.568	0.684	0.635	0.647	0.694	0.675	0.726	0.766	0.868	0.700	11.69	
98)		Trichloroethen...	0.485	0.464	0.483	0.466	0.448	0.458	0.445	0.458	0.529	0.625	0.486	11.19	
99)		1,4-Dioxane(sim)		0.118	0.200	0.172	0.183	0.152	0.128	0.162			0.159	18.25	
100)		cis-1,3-Dichlo...	0.635	0.614	0.657	0.630	0.618	0.652	0.637		0.681	0.797	0.658	8.52	
101)		1,1,2-Trichlor...	0.468	0.369	0.436	0.391	0.405	0.416	0.414	0.428	0.501	0.601	0.443	15.14	
102)		Dibromochlorom...	0.659	0.629	0.672	0.639	0.630	0.730	0.697		0.731	0.864	0.694	10.75	
103)		1,2-Dibromoeth...	0.738	0.636	0.650	0.645	0.638	0.668	0.658	0.689	0.783	0.910	0.701	12.46	
104)		Tetrachloroeth...	0.625	0.601	0.634	0.613	0.601	0.603	0.597	0.620	0.671	0.791	0.636	9.29	
105)	int	Chlorobenzene-d5(sim)	----------ISTD----------												
106)		Bromoform(sim)	1.095	1.038	1.099	1.040	1.036	1.247	1.129		1.164	1.439	1.143	11.42	
107)		m,p-Xylene(sim)		2.336	2.396	2.303	2.279	2.279	2.142	2.161			2.271	4.02	
108)		1,1,2,2-Tetrac...	1.845	1.739	1.813	1.707	1.680	1.699	1.552	1.597	1.997	2.503	1.813	15.07	
109)		Benzyl chlorid...		1.486	1.625	1.558	1.602	1.728	1.548	1.790			1.619	6.56	
110)		1,3-Dichlorobe...	2.144	1.999	1.997	1.877	1.847	1.838	1.657				1.909	8.12	
111)		1,4-Dichlorobe...	1.788	1.751	1.785	1.599	1.597	1.611	1.426				1.651	8.01	
112)		sec-Butylbenze...			4.617	4.346	4.209	4.249	3.918	3.885			4.204	6.52	
113)		4-Isopropyltol...			3.997	3.720	3.613	3.632	3.376	3.414			3.625	6.22	
114)		1,2-Dichlorobe...			1.828	1.694	1.656	1.629	1.459	1.588			1.642	7.40	
115)		n-Butylbenzene...			3.241	3.200	3.097	3.223	2.992	3.089			3.140	3.09	
116)	qfi	1,2,4-Trichlor...	0.049	0.060	0.110	0.203	0.508	1.093	2.186	5.143	0.035	0.030	Coef R2	0.99	
118)	qfi	Hexachlorobuta...	0.045	0.057	0.106	0.196	0.479	0.933	2.560		0.033	0.025	Coef R2	1.00	

(#,$,@)=Out of Range l=linear lf=linear(0,0) q=Quadratic qf=Quadratic(0,0)

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs | Client: IMPACT-ICL

Lab Code: Phoenix | SDG No.: GCU98120

Instrument ID: CHEM20 | Calibration Date From: 12/04/25 18:49

Heated Purge (Y/N): Y | Calibration Date Thru: 12/04/25 22:46

GC Column: | Method File: 20_AIR_1204.M

Laboratory File Ids

RRF1 1204_14.D RRF2 1204_15.D RRF3 1204_16.D RRF4 1204_17.D RRF5 1204_18.D RRF6 1204_19.D
RRF7 1204_20.D RRF8 1204_25.D RRF9 1204_21.D RRF10 1204_22.D RRF11 1204_26.D RRF12 1204_23.D
RRF13 1204_24.D

COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
Propylene							1.287	1.261	1.259	1.349	1.238	1.231	1.190	1.259	3.95
Dichlorodifluoromethane						2.991	2.842	2.917	2.924	3.110	2.889	2.749	2.629	2.881	5.08
Chloromethane						1.509	1.434	1.333	1.360	1.412	1.297	1.266	1.234	1.355	6.81
1,2-Dichlorotetrafluoroethane						2.817	2.730	2.757	2.794	2.882	2.662	2.554	2.483	2.710	5.00
Vinyl Chloride						1.284	1.272	1.297	1.320	1.345	1.250	1.232	1.215	1.277	3.46
1,3-Butadiene						1.169	1.213	1.090	1.140	1.172	1.078	1.055	1.027	1.118	5.82
Bromomethane						1.090	1.023	1.106	1.087	1.131	1.033	0.949	0.945	1.045	6.75
Chloroethane						0.535	0.574	0.610	0.613	0.652	0.605	0.605	0.583	0.597	5.72
Ethanol						0.624	0.469	0.391	0.316	0.371	0.356	0.358	0.366	0.406	24.14
Acetone						2.540	2.322	2.292	2.229	2.343	2.190	2.150	2.138	2.275	5.78
Trichlorofluoromethane						2.819	2.772	3.063	3.022	3.156	2.926	2.860	2.835	2.932	4.62
Isopropylalcohol						2.849	2.739	2.773	2.408	2.612	2.419	2.351	2.326	2.560	8.16
Acrylonitrile						0.919	0.877	0.761	0.832	0.860	0.838	0.845	0.837	0.846	5.28
1,1-Dichloroethene						2.292	2.194	2.312	2.287	2.388	2.221	2.149	2.117	2.245	4.05
Methylene Chloride						2.219	1.944	1.895	1.853	1.896	1.726	1.686	1.666	1.861	9.62
Carbon Disulfide						3.110	2.986	3.282	3.203	3.325	3.064	3.032	3.020	3.128	4.07
Trichlorotrifluoroethane						2.139	2.150	2.440	2.404	2.460	2.286	2.233	2.216	2.291	5.61
Trans-1,2-Dichloroethene						2.208	2.146	2.148	2.140	2.258	2.101	2.075	2.058	2.142	3.11
1,1-Dichloroethane						2.632	2.519	2.551	2.498	2.599	2.418	2.393	2.366	2.497	3.89
Methyl tert-butyl ether(MTBE)						3.323	3.200	3.146	3.045	3.152	2.920	2.818	2.791	3.049	6.25
Methyl Ethyl Ketone						3.478	3.474	3.450	3.470	3.218	3.006	3.312	3.262	3.334	5.06
Cis-1,2-Dichloroethene						2.072	2.121	2.077	2.088	2.182	2.057	2.067	2.050	2.089	2.08
Hexane						2.509	2.329	2.339	2.315	2.426	2.233	2.191	2.160	2.313	5.08
Chloroform						2.430	2.396	2.414	2.402	2.492	2.365	2.353	2.332	2.398	2.10

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs | Client: IMPACT-ICL

Lab Code: Phoenix | SDG No.: GCU98120

Instrument ID: CHEM20 | Calibration Date From: 12/04/25 18:49

Heated Purge (Y/N): Y | Calibration Date Thru: 12/04/25 22:46

GC Column: | Method File: 20_AIR_1204.M

Laboratory File Ids

RRF1 1204_14.D RRF2 1204_15.D RRF3 1204_16.D RRF4 1204_17.D RRF5 1204_18.D RRF6 1204_19.D
RRF7 1204_20.D RRF8 1204_25.D RRF9 1204_21.D RRF10 1204_22.D RRF11 1204_26.D RRF12 1204_23.D
RRF13 1204_24.D

COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
Ethyl acetate						0.441	0.447	0.492	0.494	0.515	0.486	0.485	0.481	0.480	5.15
Tetrahydrofuran						1.838	1.793	1.786	1.698	1.786	1.675	1.685	1.667	1.741	3.83
1,2-Dichloroethane						1.807	1.855	1.854	1.890	1.947	1.855	1.842	1.846	1.862	2.22
1,1,1-Trichloroethane						2.504	2.334	2.516	2.468	2.620	2.507	2.491	2.491	2.491	3.14
Benzene						3.822	3.631	3.735	3.652	3.830	3.583	3.594	3.557	3.675	2.92
Carbon Tetrachloride						2.258	2.256	2.433	2.413	2.593	2.502	2.521	2.542	2.440	5.19
Cyclohexane						1.509	1.427	1.368	1.370	1.442	1.344	1.327	1.325	1.389	4.66
1,2-dichloropropane						0.469	0.471	0.473	0.477	0.502	0.475	0.471	0.460	0.475	2.53
Bromodichloromethane						0.635	0.647	0.694	0.675	0.726	0.694	0.686	0.673	0.679	4.21
Trichloroethene						0.439	0.434	0.443	0.425	0.440	0.408	0.383	0.365	0.417	6.98
2,2,4-trimethylpentane						2.147	2.074	2.096	2.048	2.091	1.905	1.806	1.706	1.984	8.03
1,4-Dioxane						0.172	0.183	0.152	0.128	0.162	0.155	0.150	0.148	0.156	10.58
Heptane						0.908	0.877	0.839	0.843	0.870	0.800	0.777	0.746	0.833	6.55
cis-1,3-Dichloropropene						0.571	0.575	0.591	0.588	0.611	0.579	0.567	0.555	0.580	2.94
4-Methyl-2-pentanone(MIBK)						1.161	1.077	1.025	0.971	0.991	0.949	0.901	0.853	0.991	9.88
trans-1,3-Dichloropropene						0.441	0.441	0.474	0.464	0.499	0.479	0.482	0.481	0.470	4.35
1,1,2-Trichloroethane						0.391	0.405	0.416	0.414	0.428	0.409	0.400	0.390	0.407	3.22
Toluene						1.276	1.232	1.235	1.233	1.269	1.197	1.148	1.104	1.212	4.91
Dibromochloromethane						0.628	0.616	0.717	0.684	0.742	0.732	0.722	0.712	0.694	6.88
2-Hexanone(MBK)						1.071	1.002	0.675	0.654	0.860	0.828	0.804	0.786	0.835	17.32
1,2-Dibromoethane(EDB)						0.645	0.638	0.668	0.658	0.689	0.659	0.647	0.631	0.654	2.85
Tetrachloroethene						0.591	0.561	0.574	0.574	0.603	0.568	0.545	0.523	0.567	4.39
1,1,1,2-Tetrachloroethane						0.791	0.795	0.894	0.850	0.893	0.831	0.757	0.693	0.813	8.42
Chlorobenzene						1.647	1.644	1.667	1.583	1.607	1.462	1.297	1.178	1.511	12.10

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

Lab Name: Phoenix Environmental Labs | Client: IMPACT-ICL

Lab Code: Phoenix | SDG No.: GCU98120

Instrument ID: CHEM20 | Calibration Date From: 12/04/25 18:49

Heated Purge (Y/N): Y | Calibration Date Thru: 12/04/25 22:46

GC Column: | Method File: 20_AIR_1204.M

Laboratory File Ids

RRF1 1204_14.D RRF2 1204_15.D RRF3 1204_16.D RRF4 1204_17.D RRF5 1204_18.D RRF6 1204_19.D
RRF7 1204_20.D RRF8 1204_25.D RRF9 1204_21.D RRF10 1204_22.D RRF11 1204_26.D RRF12 1204_23.D
RRF13 1204_24.D

COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
Ethylbenzene						2.913	2.882	2.931	2.810	2.845	2.561	2.270	2.031	2.655	12.74
m,p-Xylene						2.303	2.279	1.823	2.142	2.161	1.925	1.679	1.490	1.975	14.96
Bromoform						0.978	1.004	1.236	1.116	1.236	1.171	1.088	1.003	1.104	9.41
Styrene						1.611	1.606	1.672	1.567	1.605	1.466	1.294	1.190	1.501	11.49
1,1,2,2-Tetrachloroethane						1.641	1.602	1.649	1.508	1.556	1.416	1.250	1.124	1.468	13.11
o-Xylene						2.471	2.285	2.306	2.161	2.171	1.960	1.709	1.524	2.073	15.48
Isopropylbenzene						3.191	3.148	3.243	3.065	3.093	2.825	2.462	2.199	2.903	13.13
4-Ethyltoluene						3.200	3.226	3.143	2.988	3.060	2.742	2.401	2.119	2.860	14.23
1,3,5-Trimethylbenzene						2.632	2.597	2.576	2.375	2.428	2.167	1.931	1.738	2.306	14.34
1,2,4-Trimethylbenzene						2.720	2.636	2.635	2.442	2.516	2.243	1.944	1.692	2.353	15.62
Benzyl chloride						1.558	1.602	1.728	1.548	1.790	1.729	1.583	1.452	1.624	7.03
1,3-Dichlorobenzene						1.735	1.667	1.681	1.517	1.593	1.427	1.246	1.189	1.507	13.52
1,4-Dichlorobenzene						1.599	1.597	1.611	1.426	1.499	1.364	1.197	0.982	1.409	15.87
sec-Butylbenzene						4.041	4.035	3.991	3.704	3.704	3.287	2.813	2.438	3.501	17.23
4-Isopropyltoluene						3.720	3.613	3.632	3.376	3.414	3.051	2.630	2.293	3.216	16.08
1,2-Dichlorobenzene						1.569	1.530	1.536	1.347	1.481	1.353	1.217	1.103	1.392	12.06
n-Butylbenzene						3.200	3.097	3.223	2.992	3.089	2.820	2.479	2.180	2.885	12.95
1,2,4-Trichlorobenzene						0.883	0.895	1.011	0.797	0.916	0.913	0.877	0.820	0.889	7.32
Naphthalene						2.025	2.094	2.288	1.621	1.762	1.784	1.685	1.582	1.855	13.59
Hexachlorobutadiene						1.342	1.234	1.189	1.027	1.098	1.003	0.902	0.812	1.076	16.35
1,2-Dichlorotetrafluoroethane(sim)		3.086	2.787	2.458	2.818	2.732	2.670	2.680	2.731	2.810				2.752	6.02
Vinyl Chloride(sim)	1.996	1.600	1.421	1.393	1.456	1.389	1.356	1.370	1.380	1.426				1.479	13.17
Bromomethane(sim)	1.544	1.298	1.093	1.050	1.069	1.057	1.001	1.076	1.063	1.102				1.135	14.42
Trichlorofluoromethane(sim)	3.781	3.172	2.950	2.838	3.084	2.899	2.845	3.092	3.066	3.202				3.093	8.87

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs | Client: IMPACT-ICL

Lab Code: Phoenix | SDG No.: GCU98120

Instrument ID: CHEM20 | Calibration Date From: 12/04/25 18:49

Heated Purge (Y/N): Y | Calibration Date Thru: 12/04/25 22:46

GC Column: | Method File: 20_AIR_1204.M

Laboratory File Ids

RRF1 1204_14.D RRF2 1204_15.D RRF3 1204_16.D RRF4 1204_17.D RRF5 1204_18.D RRF6 1204_19.D
RRF7 1204_20.D RRF8 1204_25.D RRF9 1204_21.D RRF10 1204_22.D RRF11 1204_26.D RRF12 1204_23.D
RRF13 1204_24.D

COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
1,2-Dichloroethane(sim)	2.522	2.212	2.060	1.861	1.751	1.752	1.814	1.803	1.847	1.899				1.952	12.64
1,1,1-Trichloroethane(sim)	3.383	2.891	2.631	2.576	2.676	2.561	2.510	2.615	2.590	2.720				2.715	9.48
Benzene(sim)			4.491	4.539	3.890	3.707	3.551	3.631	3.570					3.911	10.93
Carbon Tetrachloride(sim)	3.105	2.489	2.315	2.240	2.421	2.275	2.240	2.497	2.429					2.446	10.93
1,1-Dichloroethene(sim)	2.901	2.513	2.450	2.313	2.356	2.223	2.145	2.247	2.236	2.329				2.371	9.09
Trichlorotrifluoroethane(sim)		2.486	2.276	2.202	2.631	2.220	2.177	2.467	2.412	2.476				2.372	6.68
Trans-1,2-Dichloroethene(sim)			2.306	1.935	2.229	2.142	2.098	2.088	2.092	2.201				2.137	5.25
1,1-Dichloroethane(sim)	3.624	3.036	2.784	2.698	2.858	2.747	2.683	2.688	2.657	2.749				2.852	10.28
Cis-1,2-Dichloroethene(sim)	2.921	2.446	2.308	1.750	2.084	2.010	2.075	2.019	2.041					2.184	15.49
Chloroform(sim)		2.758	2.513	2.473	2.597	2.490	2.426	2.476	2.450	2.554				2.526	4.01
1,2-dichloropropane(sim)		0.586	0.542	0.519	0.541	0.520	0.506	0.513	0.518	0.542				0.532	4.56
Bromodichloromethane(sim)	0.868	0.766	0.738	0.568	0.684	0.635	0.647	0.694	0.675	0.726				0.700	11.69
Trichloroethene(sim)	0.625	0.529	0.485	0.464	0.483	0.466	0.448	0.458	0.445	0.458				0.486	11.19
1,4-Dioxane(sim)				0.118	0.200	0.172	0.183	0.152	0.128	0.162				0.159	18.25
cis-1,3-Dichloropropene(sim)	0.797	0.681	0.635	0.614	0.657	0.630	0.618	0.652	0.637					0.658	8.52
1,1,2-Trichloroethane(sim)	0.601	0.501	0.468	0.369	0.436	0.391	0.405	0.416	0.414	0.428				0.443	15.14
Dibromochloromethane(sim)	0.864	0.731	0.659	0.629	0.672	0.639	0.630	0.730	0.697					0.694	10.75
1,2-Dibromoethane(EDB)(sim)	0.91	0.783	0.738	0.636	0.650	0.645	0.638	0.668	0.658	0.689				0.701	12.46
Tetrachloroethene(sim)	0.791	0.671	0.625	0.601	0.634	0.613	0.601	0.603	0.597	0.620				0.636	9.29
Bromoform(sim)	1.439	1.164	1.095	1.038	1.099	1.040	1.036	1.247	1.129					1.143	11.42
m,p-Xylene(sim)				2.336	2.396	2.303	2.279	2.279	2.142	2.161				2.271	4.02
1,1,2,2-Tetrachloroethane(sim)	2.503	1.997	1.845	1.739	1.813	1.707	1.680	1.699	1.552	1.597				1.813	15.07
Benzyl chloride(sim)				1.486	1.625	1.558	1.602	1.728	1.548	1.790				1.619	6.56
1,3-Dichlorobenzene(sim)			2.144	1.999	1.997	1.877	1.847	1.838	1.657					1.909	8.12

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs | Client: IMPACT-ICL

Lab Code: Phoenix | SDG No.: GCU98120

Instrument ID: CHEM20 | Calibration Date From: 12/04/25 18:49

Heated Purge (Y/N): Y | Calibration Date Thru: 12/04/25 22:46

GC Column: | Method File: 20_AIR_1204.M

Laboratory File Ids

RRF1 1204_14.D RRF2 1204_15.D RRF3 1204_16.D RRF4 1204_17.D RRF5 1204_18.D RRF6 1204_19.D
RRF7 1204_20.D RRF8 1204_25.D RRF9 1204_21.D RRF10 1204_22.D RRF11 1204_26.D RRF12 1204_23.D
RRF13 1204_24.D

COMPOUND		RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
1,4-Dichlorobenzene(sim)				1.788	1.751	1.785	1.599	1.597	1.611	1.426					1.651	8.01
sec-Butylbenzene(sim)						4.617	4.346	4.209	4.249	3.918	3.885				4.204	6.52
4-Isopropyltoluene(sim)						3.997	3.720	3.613	3.632	3.376	3.414				3.625	6.22
1,2-Dichlorobenzene(sim)						1.828	1.694	1.656	1.629	1.459	1.588				1.642	7.40
n-Butylbenzene(sim)						3.241	3.200	3.097	3.223	2.992	3.089				3.140	3.09
1,2,4-Trichlorobenzene(sir	qfi	0.03	0.035	0.049	0.060	0.110	0.203	0.508	1.093	2.186	5.143				Coef R2	0.99
Hexachlorobutadiene(sim)	qfi	0.025	0.033	0.045	0.057	0.106	0.196	0.479	0.933	2.560					Coef R2	1.00
% Bromofluorobenzene							1.352	1.378	1.356	1.335	1.335	1.305	1.249	1.203	1.314	4.53

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_14.D
Acq On : 4 Dec 2025 4:03 pm
Operator :
Client ID : ICAL 0.01
Lab ID : 0.01 ppb; TO1515A
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 05 08:47:32 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	294328	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1105572	10.000	ng		0.00
53) Chlorobenzene-d5	10.617	82	584572	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	298564	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1105572	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.617	82	584572	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	800643	9.941	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.40%			
Target Compounds							Qvalue
2) Propylene	3.618	41	1794	0.048	ppbv	#	66
3) Dichlorodifluoromethane	3.675	85	977	0.012	ppbv	#	49
4) Chloromethane	3.821	50	1335	0.033	ppbv	#	39
5) 1,2-Dichlorotetrafluor...	3.902	85	628	0.008	ppbv	#	27
6) Vinyl Chloride	0.000	62	0	0.000	ppbv		0
7) 1,3-Butadiene	4.121	54	252	0.008	ppbv	#	1
8) Bromomethane	0.000	94	0	0.000	ppbv		0
9) Chloroethane	0.000	64	0	0.000	ppbv		0
11) Ethanol	4.551	45	572	0.048	ppbv	#	99
12) Acetone	4.924	43	2502	0.037	ppbv	#	100
13) Trichlorofluoromethane	5.037	101	577	0.007	ppbv	#	73
14) Isopropylalcohol	5.086	45	2158	0.029	ppbv	#	98
15) Acrylonitrile	0.000	53	0	0.000	ppbv		0
16) 1,1-Dichloroethene	0.000	61	0	0.000	ppbv		0
17) Methylene Chloride	5.558	49	2807	0.051	ppbv	#	74
20) Carbon Disulfide	5.773	76	874	0.009	ppbv	#	72
21) Trichlorotrifluoroethane	5.731	101	404	0.006	ppbv	#	35
22) Trans-1,2-Dichloroethene	6.183	61	531	0.008	ppbv	#	26
23) 1,1-Dichloroethane	6.308	63	394	0.005	ppbv	#	47
24) Methyl tert-butyl ethe...	6.350	73	629	0.007	ppbv	#	39
25) Methyl Ethyl Ketone	6.564	43	2134	0.022	ppbv	#	100
26) Cis-1,2-Dichloroethene	0.000	61	0	0.000	ppbv		0
27) Hexane	6.950	57	935	0.014	ppbv	#	64
28) Chloroform	7.020	83	298	0.004	ppbv	#	29
29) Ethyl acetate	0.000	61	0	0.000	ppbv		0
30) Tetrahydrofuran	7.291	42	239	0.005	ppbv	#	38
31) 1,2-Dichloroethane	0.000	62	0	0.000	ppbv		0
32) 1,1,1-Trichloroethane	0.000	97	0	0.000	ppbv		0
33) Benzene	7.928	78	1652	0.015	ppbv	#	55
34) Carbon Tetrachloride	0.000	117	0	0.000	ppbv		0
35) Cyclohexane	8.110	84	657	0.016	ppbv	#	1
37) 1,2-dichloropropane	8.421	63	262	0.005	ppbv	#	49
38) Bromodichloromethane	8.534	83	867	0.012	ppbv	#	28
39) Trichloroethene	0.000	130	0	0.000	ppbv		0
40) 2,2,4-trimethylpentane	8.568	57	2803	0.013	ppbv		94
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv		0
43) Heptane	8.698	43	1928	0.021	ppbv	#	39
44) cis-1,3-Dichloropropene	9.053	75	231	0.004	ppbv	#	47
45) 4-Methyl-2-pentanone(M...	9.060	43	2040	0.019	ppbv	#	50
46) trans-1,3-Dichloropropene	0.000	75	0	0.000	ppbv		0
47) 1,1,2-Trichloroethane	0.000	97	0	0.000	ppbv		0
48) Toluene	9.617	91	1922	0.014	ppbv	#	79

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_14.D
Acq On : 4 Dec 2025 4:03 pm
Operator :
Client ID : ICAL 0.01
Lab ID : 0.01 ppb; TO1515A
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 05 08:47:32 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	9.870	129	554	0.007	ppbv#	56
50)	2-Hexanone(MBK)	9.743	43	1788	0.019	ppbv#	64
51)	1,2-Dibromoethane(EDB)	10.018	107	556	0.008	ppbv#	56
52)	Tetrachloroethene	10.271	166	544	0.009	ppbv#	81
54)	1,1,1,2-Tetrachloroethane	0.000	131	0	0.000	ppbv	0
55)	Chlorobenzene	10.647	112	1161	0.013	ppbv#	1
56)	Ethylbenzene	10.837	91	2023	0.013	ppbv	74
57)	m,p-Xylene	10.935	91	3707	0.032	ppbv	100
58)	Bromoform	11.011	173	246	0.004	ppbv#	29
59)	Styrene	11.140	104	1095	0.012	ppbv#	59
60)	1,1,2,2-Tetrachloroethane	11.200	83	1254	0.015	ppbv#	76
61)	o-Xylene	11.200	91	2103	0.017	ppbv#	77
64)	Isopropylbenzene	11.527	105	2570	0.015	ppbv#	100
66)	4-Ethyltoluene	11.898	105	3173	0.019	ppbv#	70
67)	1,3,5-Trimethylbenzene	11.944	105	2544	0.019	ppbv#	100
68)	1,2,4-Trimethylbenzene	12.187	105	2530	0.018	ppbv#	73
70)	Benzyl chloride	12.286	91	1123	0.012	ppbv#	60
71)	1,3-Dichlorobenzene	12.301	146	1378	0.016	ppbv#	84
72)	1,4-Dichlorobenzene	12.339	146	1354	0.016	ppbv	100
73)	sec-Butylbenzene	12.354	105	3774	0.018	ppbv#	78
74)	4-Isopropyltoluene	12.445	119	3645	0.019	ppbv	100
75)	1,2-Dichlorobenzene	12.567	146	1398	0.017	ppbv#	69
76)	n-Butylbenzene	12.711	91	3281	0.019	ppbv#	87
77)	1,2,4-Trichlorobenzene	13.706	180	1449	0.028	ppbv#	59
78)	Naphthalene	13.797	128	3633	0.034	ppbv#	100
79)	Hexachlorobutadiene	14.048	225	1880	0.030	ppbv	83
81]	1,2-Dichlorotetrafluor...	3.905	85	1151m	0.014	ppbv	27
82]	Vinyl Chloride(sim)	4.002	62	596	0.013	ppbv	90
83]	Bromomethane(sim)	4.335	94	461m	0.014	ppbv	0
84]	Trichlorofluoromethane...	5.040	101	1129	0.012	ppbv#	98
85]	1,2-Dichloroethane(sim)	7.480	62	753m	0.013	ppbv	0
86]	1,1,1-Trichloroethane(...	7.643	97	1010	0.012	ppbv#	97
87]	Benzene(sim)	7.931	78	1890m	0.016	ppbv	55
88]	Carbon Tetrachloride(sim)	8.018	117	927	0.013	ppbv	96
89]	1,1-Dichloroethene(sim)	5.478	61	866m	0.012	ppbv	0
90]	Trichlorotrifluoroetha...	5.728	101	873	0.012	ppbv#	95
91]	Trans-1,2-Dichloroethe...	6.181	61	899m	0.014	ppbv	26
92]	1,1-Dichloroethane(sim)	6.311	63	1082	0.013	ppbv	95
93]	Cis-1,2-Dichloroethene...	6.837	61	872m	0.013	ppbv	0
94]	Chloroform(sim)	7.023	83	1003	0.013	ppbv#	87
96]	1,2-dichloropropane(sim)	8.415	63	763	0.013	ppbv#	80
97]	Bromodichloromethane(sim)	8.537	83	960m	0.012	ppbv	29
98]	Trichloroethene(sim)	8.563	130	691	0.013	ppbv	96
99]	1,4-Dioxane(sim)	8.563	88	354m	0.020	ppbv	0
100]	cis-1,3-Dichloropropen...	9.049	75	881	0.012	ppbv	93
101]	1,1,2-Trichloroethane(...	9.458	97	664m	0.014	ppbv	0
102]	Dibromochloromethane(sim)	9.873	129	955	0.012	ppbv	96
103]	1,2-Dibromoethane(EDB)...	10.021	107	1006m	0.013	ppbv	56
104]	Tetrachloroethene(sim)	10.267	166	875	0.012	ppbv	89
106]	Bromoform(sim)	11.006	173	841	0.013	ppbv	98
107]	m,p-Xylene(sim)	10.938	91	4236m	0.032	ppbv	90
108]	1,1,2,2-Tetrachloroeth...	11.196	83	1463	0.014	ppbv#	95
109]	Benzyl chloride(sim)	12.289	91	1406m	0.015	ppbv	60
110]	1,3-Dichlorobenzene(sim)	12.304	146	1920	0.017	ppbv	98
111]	1,4-Dichlorobenzene(sim)	12.342	146	1872m	0.019	ppbv	69

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_14.D
Acq On : 4 Dec 2025 4:03 pm
Operator :
Client ID : ICAL 0.01
Lab ID : 0.01 ppb; TO1515A
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 05 08:47:32 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

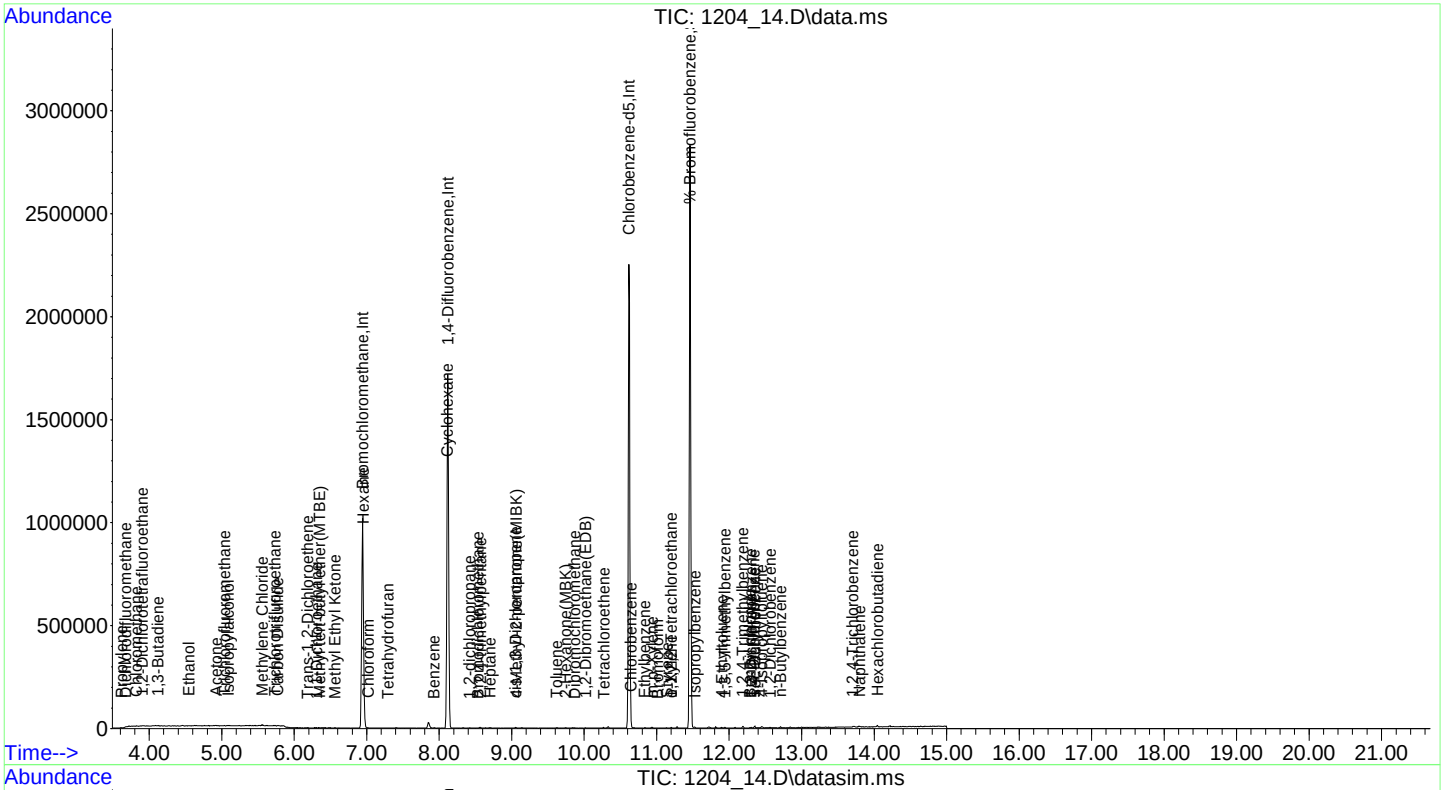
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.357	105	3841	0.016	ppbv	97
113] 4-Isopropyltoluene(sim)	12.441	119	3840m	0.018	ppbv	78
114] 1,2-Dichlorobenzene(sim)	12.562	146	1855	0.019	ppbv	98
115] n-Butylbenzene(sim)	12.706	91	3568m	0.019	ppbv	87
116] 1,2,4-Trichlorobenzene...	13.709	180	1723	0.029	ppbv	99
118] Hexachlorobutadiene(sim)	14.043	225	2209	0.027	ppbv	97

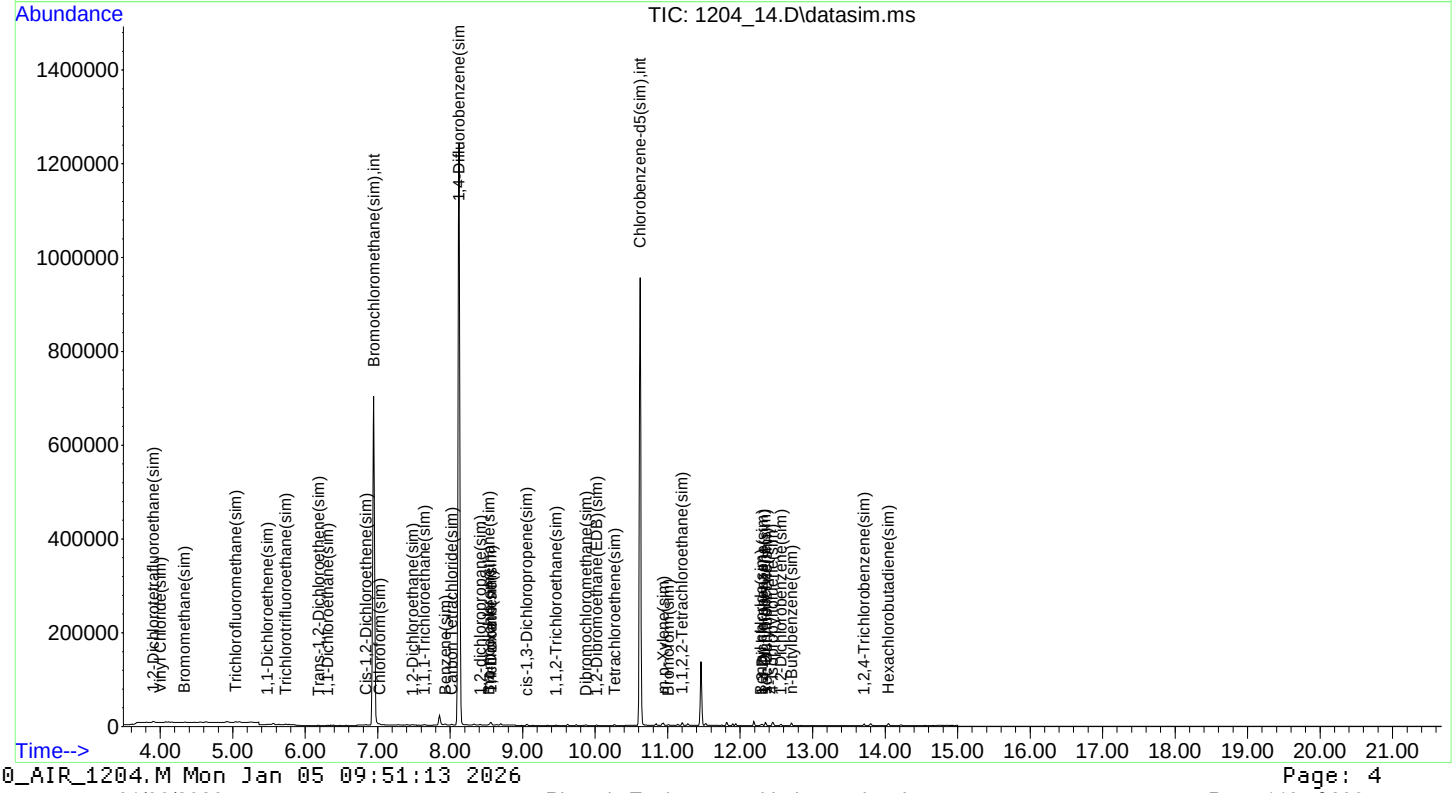
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_14.D
Acq On : 4 Dec 2025 4:03 pm
Operator :
Client ID : ICAL 0.01
Lab ID : 0.01 ppb; TO1515A
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 05 08:47:32 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_15.D
Acq On : 4 Dec 2025 4:36 pm
Operator :
Client ID : ICAL 0.02
Lab ID : 0.02 ppb; TO1515A
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:48:11 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	291682	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1104813	10.000	ng		0.00
53) Chlorobenzene-d5	10.616	82	591726	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	299700	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1104813	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.616	82	591726	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	799678	9.809	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.10%			
Target Compounds							Qvalue
2) Propylene	3.618	41	2251	0.061	ppbv	#	36
3) Dichlorodifluoromethane	3.674	85	1652	0.020	ppbv	#	49
4) Chloromethane	3.820	50	2665	0.067	ppbv	#	39
5) 1,2-Dichlorotetrafluor...	3.902	85	1402	0.018	ppbv	#	87
6) Vinyl Chloride	4.007	62	273	0.007	ppbv	#	39
7) 1,3-Butadiene	4.121	54	879	0.027	ppbv	#	60
8) Bromomethane	4.348	94	627	0.021	ppbv	#	16
9) Chloroethane	0.000	64	0	0.000	ppbv		0
11) Ethanol	4.550	45	517	0.044	ppbv	#	99
12) Acetone	4.924	43	3478	0.052	ppbv	#	87
13) Trichlorofluoromethane	5.037	101	1654	0.019	ppbv	#	70
14) Isopropylalcohol	5.086	45	3431	0.046	ppbv	#	98
15) Acrylonitrile	5.248	53	786	0.032	ppbv	#	96
16) 1,1-Dichloroethene	5.481	61	1029	0.016	ppbv	#	34
17) Methylene Chloride	5.558	49	3393	0.063	ppbv	#	75
20) Carbon Disulfide	5.778	76	1972	0.022	ppbv	#	49
21) Trichlorotrifluoroethane	5.731	101	1043	0.016	ppbv	#	68
22) Trans-1,2-Dichloroethene	6.172	61	1058	0.017	ppbv	#	26
23) 1,1-Dichloroethane	6.313	63	1372	0.019	ppbv	#	47
24) Methyl tert-butyl ethe...	6.350	73	2023	0.023	ppbv	#	67
25) Methyl Ethyl Ketone	6.558	43	2977	0.031	ppbv	#	100
26) Cis-1,2-Dichloroethene	6.834	61	1023	0.017	ppbv	#	58
27) Hexane	6.950	57	1391	0.021	ppbv	#	52
28) Chloroform	7.027	83	1074	0.015	ppbv	#	74
29) Ethyl acetate	0.000	61	0	0.000	ppbv		0
30) Tetrahydrofuran	7.291	42	986	0.019	ppbv	#	38
31) 1,2-Dichloroethane	7.477	62	554	0.010	ppbv	#	42
32) 1,1,1-Trichloroethane	7.640	97	1400	0.019	ppbv	#	46
33) Benzene	7.928	78	3239	0.030	ppbv	#	73
34) Carbon Tetrachloride	8.023	117	1121	0.016	ppbv	#	84
35) Cyclohexane	8.101	84	1148	0.028	ppbv	#	1
37) 1,2-dichloropropane	8.421	63	1057	0.020	ppbv	#	47
38) Bromodichloromethane	8.533	83	1152	0.015	ppbv	#	68
39) Trichloroethene	8.559	130	659	0.014	ppbv	#	79
40) 2,2,4-trimethylpentane	8.568	57	5210	0.024	ppbv		93
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv		0
43) Heptane	8.706	43	2579	0.028	ppbv	#	67
44) cis-1,3-Dichloropropene	9.053	75	954	0.015	ppbv	#	47
45) 4-Methyl-2-pentanone(M...	9.060	43	3260	0.030	ppbv	#	58
46) trans-1,3-Dichloropropene	9.349	75	589	0.011	ppbv	#	47
47) 1,1,2-Trichloroethane	9.454	97	583	0.013	ppbv	#	61
48) Toluene	9.623	91	3327	0.025	ppbv	#	88

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_15.D
Acq On : 4 Dec 2025 4:36 pm
Operator :
Client ID : ICAL 0.02
Lab ID : 0.02 ppb; TO1515A
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:48:11 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	9.877	129	1327	0.017	ppbv#	64
50)	2-Hexanone(MBK)	9.743	43	3000	0.033	ppbv#	59
51)	1,2-Dibromoethane(EDB)	10.018	107	1138	0.016	ppbv	92
52)	Tetrachloroethene	10.264	166	1388	0.022	ppbv#	81
54)	1,1,1,2-Tetrachloroethane	10.632	131	1016	0.021	ppbv#	85
55)	Chlorobenzene	10.647	112	2243	0.025	ppbv#	1
56)	Ethylbenzene	10.836	91	3966	0.025	ppbv	73
57)	m,p-Xylene	10.935	91	6428	0.055	ppbv	100
58)	Bromoform	11.011	173	987	0.015	ppbv#	29
59)	Styrene	11.140	104	1764	0.020	ppbv#	62
60)	1,1,2,2-Tetrachloroethane	11.200	83	2059	0.024	ppbv	90
61)	o-Xylene	11.200	91	3319	0.027	ppbv	94
64)	Isopropylbenzene	11.526	105	4323	0.025	ppbv#	94
66)	4-Ethyltoluene	11.898	105	4514	0.027	ppbv#	77
67)	1,3,5-Trimethylbenzene	11.944	105	4191	0.031	ppbv#	96
68)	1,2,4-Trimethylbenzene	12.187	105	4114	0.030	ppbv#	92
70)	Benzyl chloride	12.285	91	2193	0.023	ppbv#	60
71)	1,3-Dichlorobenzene	12.308	146	2316	0.026	ppbv#	76
72)	1,4-Dichlorobenzene	12.346	146	2401	0.029	ppbv	100
73)	sec-Butylbenzene	12.354	105	5910	0.029	ppbv#	93
74)	4-Isopropyltoluene	12.445	119	5715	0.030	ppbv	100
75)	1,2-Dichlorobenzene	12.559	146	2255	0.027	ppbv#	81
76)	n-Butylbenzene	12.711	91	4898	0.029	ppbv	97
77)	1,2,4-Trichlorobenzene	13.706	180	1778	0.034	ppbv#	79
78)	Naphthalene	13.804	128	4150	0.038	ppbv#	100
79)	Hexachlorobutadiene	14.040	225	2578	0.041	ppbv	97
81]	1,2-Dichlorotetrafluor...	3.904	85	1850m	0.022	ppbv	87
82]	Vinyl Chloride(sim)	4.002	62	959	0.022	ppbv	95
83]	Bromomethane(sim)	4.334	94	778m	0.023	ppbv	16
84]	Trichlorofluoromethane...	5.040	101	1901	0.021	ppbv#	98
85]	1,2-Dichloroethane(sim)	7.480	62	1326m	0.023	ppbv	93
86]	1,1,1-Trichloroethane(...	7.642	97	1733	0.021	ppbv#	100
87]	Benzene(sim)	7.931	78	3172m	0.027	ppbv	73
88]	Carbon Tetrachloride(sim)	8.026	117	1492	0.020	ppbv	95
89]	1,1-Dichloroethene(sim)	5.484	61	1506m	0.021	ppbv	34
90]	Trichlorotrifluoroetha...	5.734	101	1490	0.021	ppbv#	69
91]	Trans-1,2-Dichloroethe...	6.180	61	1538m	0.024	ppbv	26
92]	1,1-Dichloroethane(sim)	6.311	63	1820	0.021	ppbv	98
93]	Cis-1,2-Dichloroethene...	6.837	61	1466m	0.022	ppbv	58
94]	Chloroform(sim)	7.023	83	1653	0.022	ppbv#	89
96]	1,2-dichloropropane(sim)	8.415	63	1294	0.022	ppbv#	84
97]	Bromodichloromethane(sim)	8.536	83	1692m	0.022	ppbv	68
98]	Trichloroethene(sim)	8.562	130	1168	0.022	ppbv	96
99]	1,4-Dioxane(sim)	8.562	88	568m	0.032	ppbv	0
100]	cis-1,3-Dichloropropen...	9.049	75	1505	0.021	ppbv	99
101]	1,1,2-Trichloroethane(...	9.457	97	1108m	0.023	ppbv	61
102]	Dibromochloromethane(sim)	9.873	129	1615	0.021	ppbv	96
103]	1,2-Dibromoethane(EDB)...	10.020	107	1730m	0.022	ppbv	92
104]	Tetrachloroethene(sim)	10.267	166	1482	0.021	ppbv	92
106]	Bromoform(sim)	11.014	173	1377	0.020	ppbv	98
107]	m,p-Xylene(sim)	10.938	91	7128m	0.053	ppbv	97
108]	1,1,2,2-Tetrachloroeth...	11.196	83	2363	0.022	ppbv	98
109]	Benzyl chloride(sim)	12.288	91	2344m	0.024	ppbv	60
110]	1,3-Dichlorobenzene(sim)	12.304	146	2843	0.025	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.346	146	2401	0.025	ppbv#	80

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_15.D
Acq On : 4 Dec 2025 4:36 pm
Operator :
Client ID : ICAL 0.02
Lab ID : 0.02 ppb; TO1515A
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:48:11 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

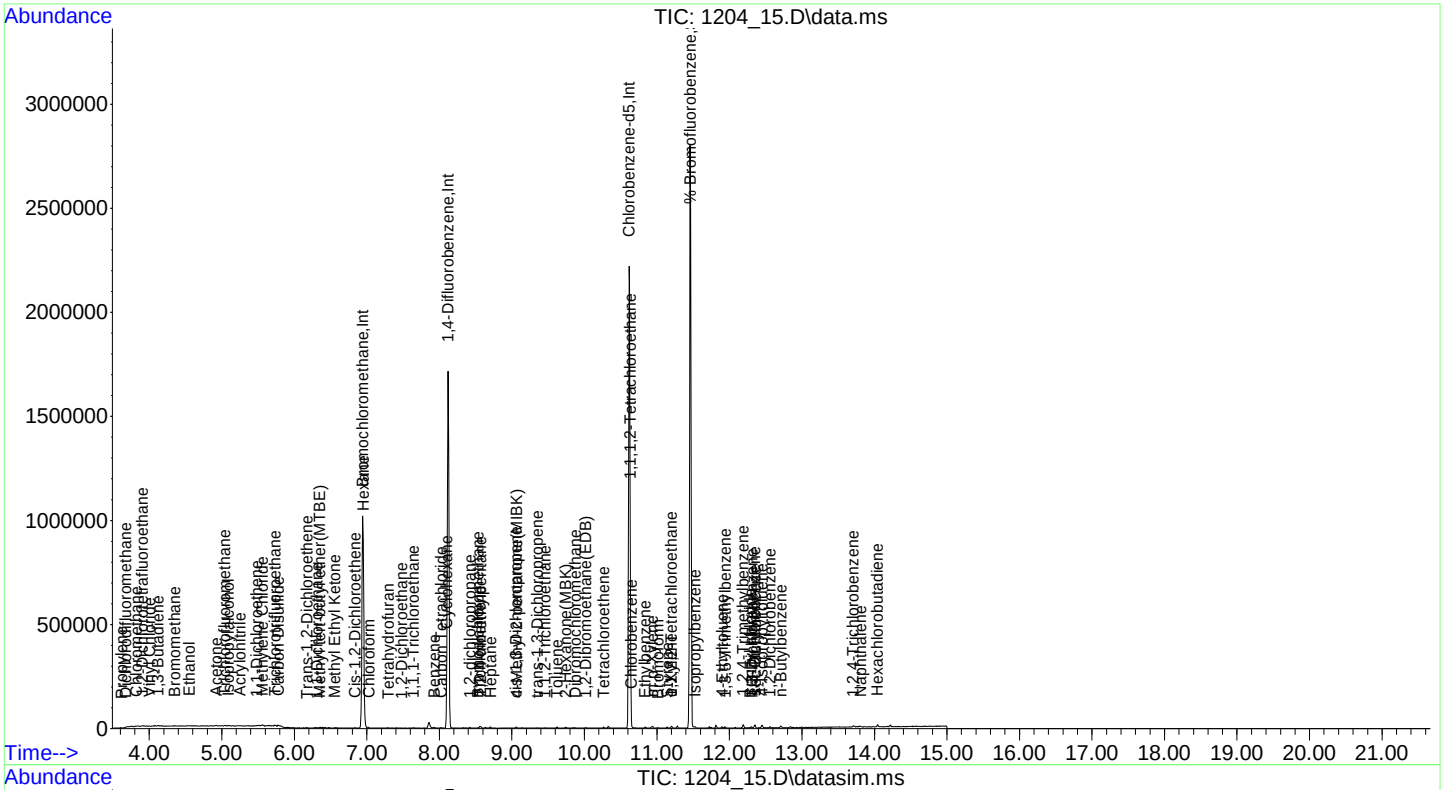
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.357	105	6065	0.024	ppbv	96
113] 4-Isopropyltoluene(sim)	12.445	119	5715	0.027	ppbv#	85
114] 1,2-Dichlorobenzene(sim)	12.562	146	2708	0.028	ppbv	98
115] n-Butylbenzene(sim)	12.711	91	4898	0.026	ppbv	97
116] 1,2,4-Trichlorobenzene...	13.709	180	2078	0.035	ppbv	97
118] Hexachlorobutadiene(sim)	14.043	225	2942	0.036	ppbv	100

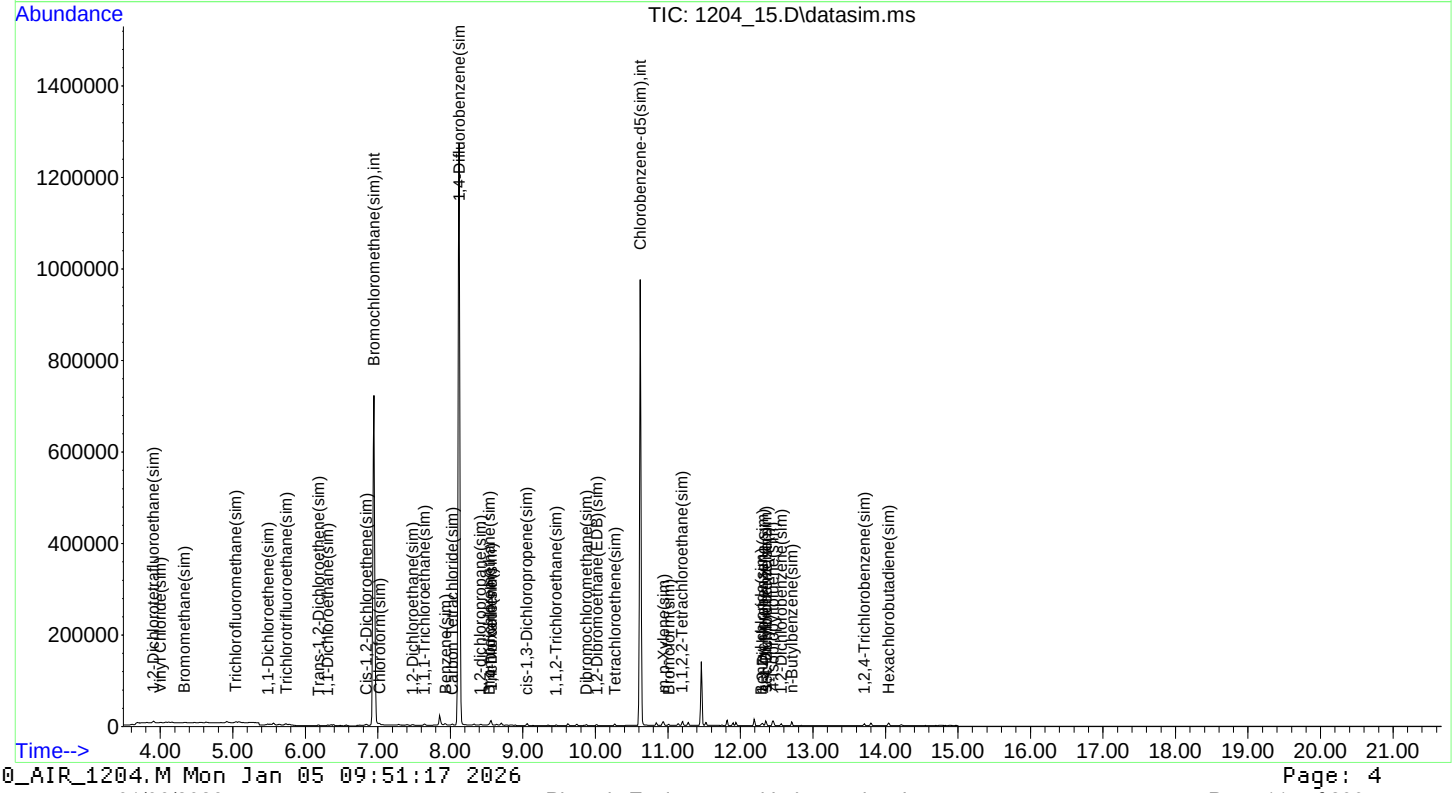
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_15.D
Acq On : 4 Dec 2025 4:36 pm
Operator :
Client ID : ICAL 0.02
Lab ID : 0.02 ppb; TO1515A
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 08:48:11 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_16.D
Acq On : 4 Dec 2025 5:10 pm
Operator :
Client ID : ICAL 0.035
Lab ID : 0.035 ppb; TO1515A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 08:48:49 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	292895	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1109443	10.000	ng		0.00
53) Chlorobenzene-d5	10.617	82	583277	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	300708	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1109443	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.617	82	583277	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	810129	10.081	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.80%				
Target Compounds							Qvalue
2) Propylene	3.610	41	2202	0.060	ppbv	#	83
3) Dichlorodifluoromethane	3.674	85	3034	0.036	ppbv	#	74
4) Chloromethane	3.812	50	2222	0.056	ppbv	#	39
5) 1,2-Dichlorotetrafluor...	3.902	85	2933	0.037	ppbv	#	85
6) Vinyl Chloride	4.007	62	1317	0.035	ppbv	#	39
7) 1,3-Butadiene	4.121	54	1392	0.043	ppbv	#	60
8) Bromomethane	4.331	94	944	0.031	ppbv	#	70
9) Chloroethane	0.000	64	0	0.000	ppbv		0
11) Ethanol	4.567	45	1583	0.133	ppbv	#	99
12) Acetone	4.924	43	5459	0.082	ppbv	#	84
13) Trichlorofluoromethane	5.037	101	2808	0.033	ppbv	#	90
14) Isopropylalcohol	5.086	45	4703	0.063	ppbv	#	98
15) Acrylonitrile	5.240	53	1219	0.049	ppbv	#	1
16) 1,1-Dichloroethene	5.481	61	2287	0.035	ppbv	#	57
17) Methylene Chloride	5.558	49	4030	0.074	ppbv	#	77
20) Carbon Disulfide	5.778	76	2964	0.032	ppbv	#	72
21) Trichlorotrifluoroethane	5.725	101	1938	0.029	ppbv	#	87
22) Trans-1,2-Dichloroethene	6.178	61	2123	0.034	ppbv	#	65
23) 1,1-Dichloroethane	6.308	63	2639	0.036	ppbv		70
24) Methyl tert-butyl ethe...	6.355	73	3334	0.037	ppbv	#	80
25) Methyl Ethyl Ketone	6.564	43	4806	0.049	ppbv	#	100
26) Cis-1,2-Dichloroethene	6.834	61	1931	0.032	ppbv	#	60
27) Hexane	6.958	57	2666	0.039	ppbv	#	89
28) Chloroform	7.020	83	2154	0.031	ppbv		89
29) Ethyl acetate	0.000	61	0	0.000	ppbv		0
30) Tetrahydrofuran	7.283	42	2066	0.041	ppbv	#	38
31) 1,2-Dichloroethane	7.477	62	1811	0.033	ppbv	#	55
32) 1,1,1-Trichloroethane	7.647	97	2149	0.029	ppbv		96
33) Benzene	7.928	78	4727	0.044	ppbv		98
34) Carbon Tetrachloride	8.023	117	2141	0.030	ppbv	#	76
35) Cyclohexane	8.110	84	1791	0.044	ppbv	#	1
37) 1,2-dichloropropane	8.421	63	1539	0.029	ppbv	#	65
38) Bromodichloromethane	8.534	83	2033	0.027	ppbv		90
39) Trichloroethene	8.551	130	1484	0.032	ppbv	#	76
40) 2,2,4-trimethylpentane	8.559	57	9124	0.041	ppbv		94
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv		0
43) Heptane	8.698	43	4143	0.045	ppbv	#	68
44) cis-1,3-Dichloropropene	9.053	75	2225	0.035	ppbv	#	73
45) 4-Methyl-2-pentanone(M...	9.060	43	4734	0.043	ppbv	#	77
46) trans-1,3-Dichloropropene	9.349	75	1607	0.031	ppbv	#	47
47) 1,1,2-Trichloroethane	9.462	97	1402	0.031	ppbv	#	86
48) Toluene	9.623	91	5543	0.041	ppbv	#	90

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_16.D
Acq On : 4 Dec 2025 5:10 pm
Operator :
Client ID : ICAL 0.035
Lab ID : 0.035 ppb; TO1515A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 08:48:49 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	9.870	129	2218	0.029	ppbv#	91
50)	2-Hexanone(MBK)	9.743	43	4508	0.049	ppbv#	56
51)	1,2-Dibromoethane(EDB)	10.018	107	2379	0.033	ppbv	85
52)	Tetrachloroethene	10.264	166	2050	0.033	ppbv#	86
54)	1,1,1,2-Tetrachloroethane	10.632	131	1326	0.028	ppbv#	73
55)	Chlorobenzene	10.647	112	3120	0.035	ppbv#	1
56)	Ethylbenzene	10.836	91	6426	0.041	ppbv	76
57)	m,p-Xylene	10.935	91	10130	0.088	ppbv	100
58)	Bromoform	11.011	173	1966	0.031	ppbv#	89
59)	Styrene	11.140	104	3383	0.039	ppbv#	62
60)	1,1,2,2-Tetrachloroethane	11.200	83	3485	0.041	ppbv	95
61)	o-Xylene	11.200	91	5140	0.043	ppbv#	88
64)	Isopropylbenzene	11.526	105	7026	0.041	ppbv#	93
66)	4-Ethyltoluene	11.898	105	7602	0.046	ppbv#	82
67)	1,3,5-Trimethylbenzene	11.944	105	6389	0.048	ppbv#	92
68)	1,2,4-Trimethylbenzene	12.194	105	6743	0.049	ppbv#	87
70)	Benzyl chloride	12.286	91	3782	0.040	ppbv#	60
71)	1,3-Dichlorobenzene	12.301	146	3647	0.041	ppbv#	86
72)	1,4-Dichlorobenzene	12.346	146	3651	0.044	ppbv	100
73)	sec-Butylbenzene	12.354	105	9161	0.045	ppbv#	87
74)	4-Isopropyltoluene	12.445	119	8361	0.045	ppbv	100
75)	1,2-Dichlorobenzene	12.559	146	3604	0.044	ppbv#	92
76)	n-Butylbenzene	12.711	91	7240	0.043	ppbv	99
77)	1,2,4-Trichlorobenzene	13.706	180	2439	0.047	ppbv#	87
78)	Naphthalene	13.804	128	6314	0.058	ppbv#	97
79)	Hexachlorobutadiene	14.047	225	3439	0.055	ppbv	96
81]	1,2-Dichlorotetrafluor...	3.902	85	2933	0.035	ppbv#	85
82]	Vinyl Chloride(sim)	4.002	62	1496	0.034	ppbv	96
83]	Bromomethane(sim)	4.343	94	1150m	0.034	ppbv	70
84]	Trichlorofluoromethane...	5.040	101	3105	0.033	ppbv#	96
85]	1,2-Dichloroethane(sim)	7.480	62	2168m	0.037	ppbv	74
86]	1,1,1-Trichloroethane(...	7.643	97	2769	0.034	ppbv#	85
87]	Benzene(sim)	7.928	78	4727	0.040	ppbv	98
88]	Carbon Tetrachloride(sim)	8.026	117	2436	0.033	ppbv	98
89]	1,1-Dichloroethene(sim)	5.484	61	2579m	0.036	ppbv	57
90]	Trichlorotrifluoroetha...	5.734	101	2395	0.034	ppbv#	96
91]	Trans-1,2-Dichloroethe...	6.181	61	2427m	0.038	ppbv	65
92]	1,1-Dichloroethane(sim)	6.311	63	2930	0.034	ppbv	98
93]	Cis-1,2-Dichloroethene...	6.837	61	2429m	0.037	ppbv	60
94]	Chloroform(sim)	7.023	83	2645	0.035	ppbv#	91
96]	1,2-dichloropropane(sim)	8.415	63	2103	0.036	ppbv#	78
97]	Bromodichloromethane(sim)	8.536	83	2866m	0.037	ppbv	89
98]	Trichloroethene(sim)	8.562	130	1883	0.035	ppbv	95
99]	1,4-Dioxane(sim)	8.562	88	911m	0.052	ppbv	0
100]	cis-1,3-Dichloropropen...	9.049	75	2467	0.034	ppbv	97
101]	1,1,2-Trichloroethane(...	9.457	97	1819m	0.037	ppbv	86
102]	Dibromochloromethane(sim)	9.873	129	2557	0.033	ppbv	97
103]	1,2-Dibromoethane(EDB)...	10.013	107	2864m	0.037	ppbv	85
104]	Tetrachloroethene(sim)	10.267	166	2428	0.034	ppbv	92
106]	Bromoform(sim)	11.006	173	2235	0.034	ppbv	99
107]	m,p-Xylene(sim)	10.935	91	10130	0.076	ppbv	95
108]	1,1,2,2-Tetrachloroeth...	11.196	83	3766	0.036	ppbv	98
109]	Benzyl chloride(sim)	12.286	91	3782	0.040	ppbv	60
110]	1,3-Dichlorobenzene(sim)	12.304	146	4377	0.039	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.346	146	3651	0.038	ppbv	86

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_16.D
Acq On : 4 Dec 2025 5:10 pm
Operator :
Client ID : ICAL 0.035
Lab ID : 0.035 ppb; TO1515A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 08:48:49 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

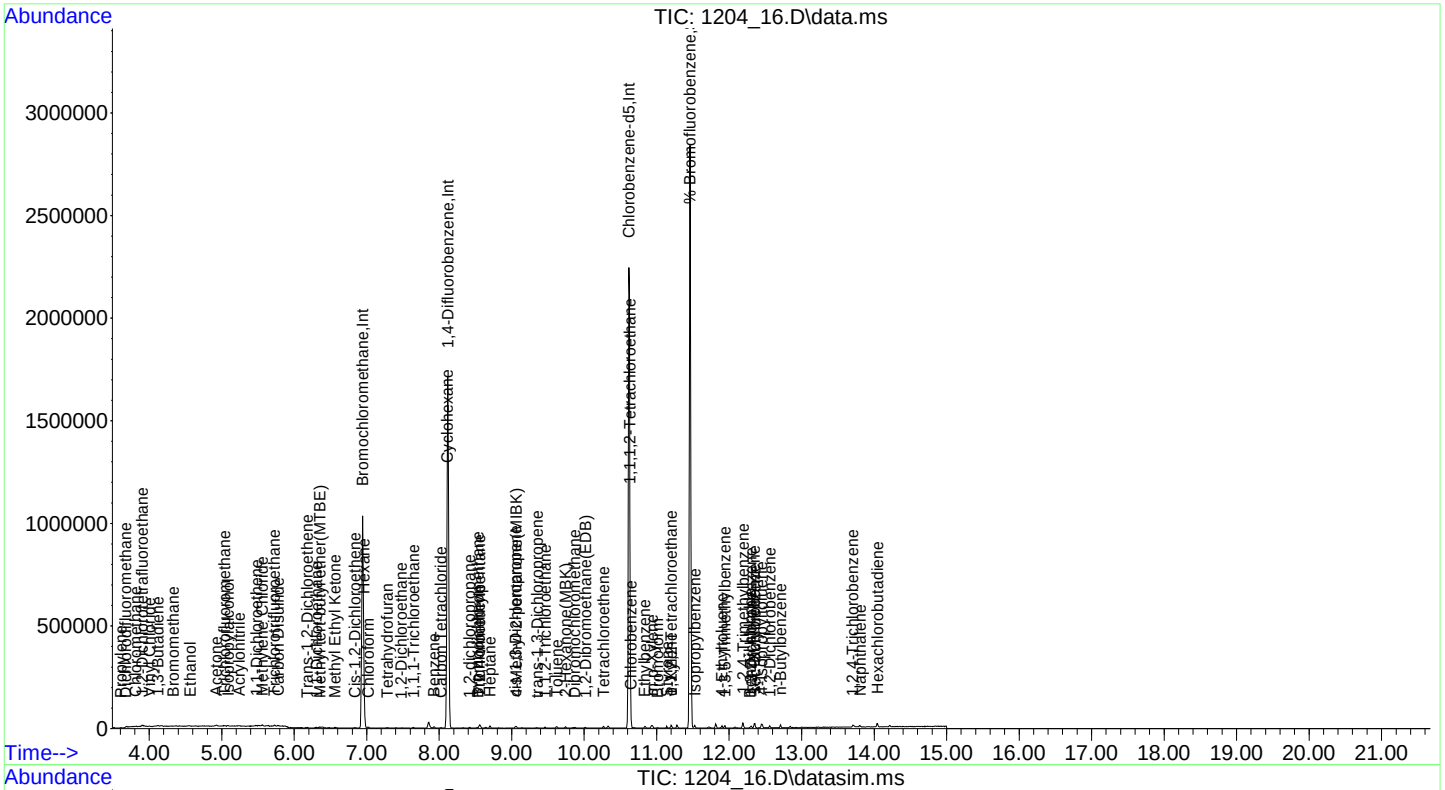
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.357	105	9718	0.040	ppbv	96
113] 4-Isopropyltoluene(sim)	12.445	119	8361	0.040	ppbv	93
114] 1,2-Dichlorobenzene(sim)	12.562	146	4112	0.043	ppbv	97
115] n-Butylbenzene(sim)	12.711	91	7240	0.040	ppbv	99
116] 1,2,4-Trichlorobenzene...	13.709	180	2866	0.049	ppbv	99
118] Hexachlorobutadiene(sim)	14.043	225	4013	0.050	ppbv	99

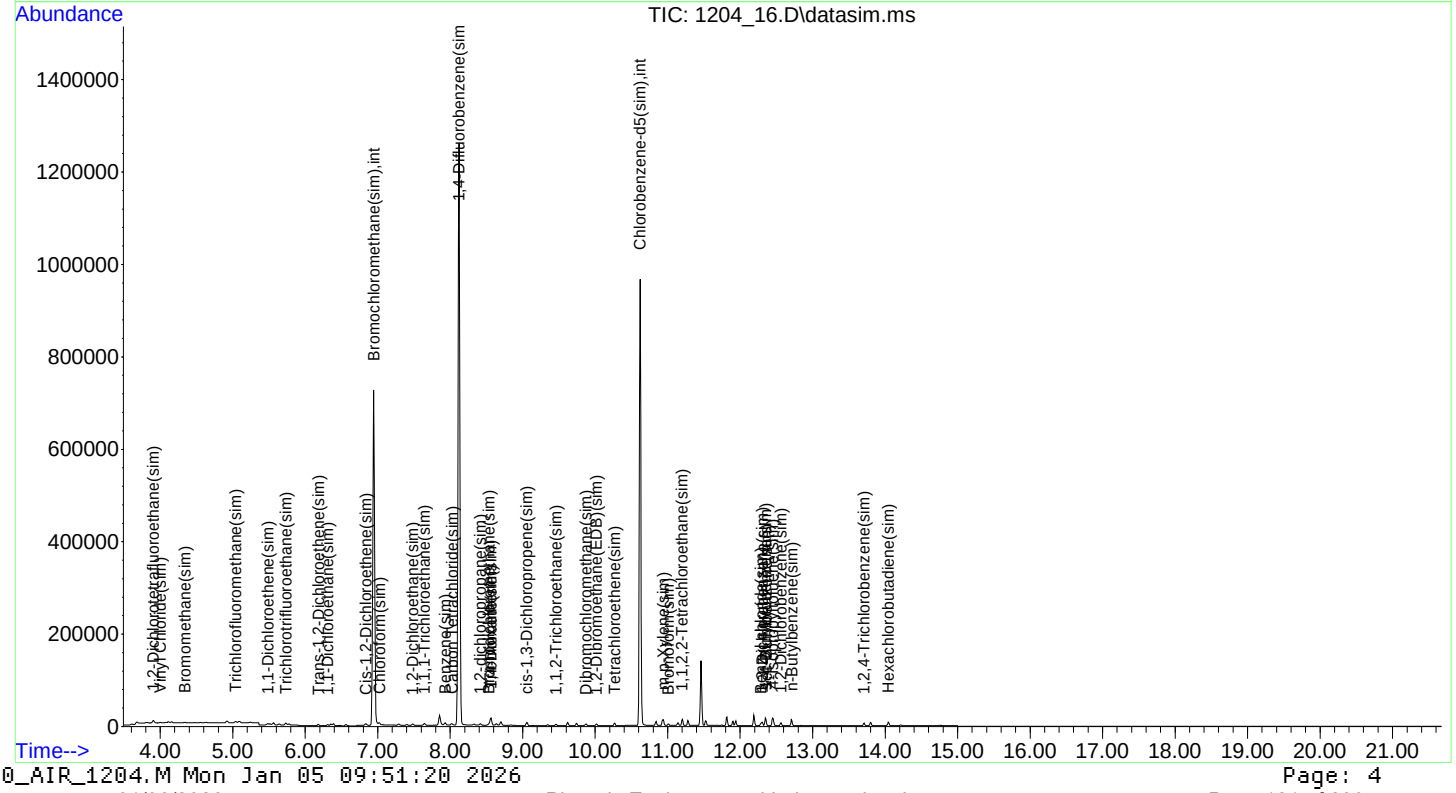
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_16.D
Acq On : 4 Dec 2025 5:10 pm
Operator :
Client ID : ICAL 0.035
Lab ID : 0.035 ppb; TO1515A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 08:48:49 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_17.D
Acq On : 4 Dec 2025 5:45 pm
Operator :
Client ID : ICAL 0.05
Lab ID : 0.05 ppb; TO1515A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 05 08:49:06 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	297323	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1115649	10.000	ng		0.00
53) Chlorobenzene-d5	10.616	82	592119	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	302342	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1115649	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.616	82	592119	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	808889	9.915	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.10%				
Target Compounds							Qvalue
2) Propylene	3.617	41	3543	0.095	ppbv#		71
3) Dichlorodifluoromethane	3.682	85	4178	0.049	ppbv#		74
4) Chloromethane	3.812	50	3230	0.080	ppbv		69
5) 1,2-Dichlorotetrafluor...	3.909	85	3716	0.046	ppbv#		84
6) Vinyl Chloride	3.999	62	1737	0.046	ppbv#		39
7) 1,3-Butadiene	4.120	54	1979	0.060	ppbv		89
8) Bromomethane	4.331	94	1841	0.059	ppbv#		62
9) Chloroethane	4.477	64	549	0.031	ppbv#		39
11) Ethanol	4.558	45	1922	0.159	ppbv#		99
12) Acetone	4.915	43	7539	0.111	ppbv#		80
13) Trichlorofluoromethane	5.045	101	4054	0.047	ppbv#		79
14) Isopropylalcohol	5.094	45	6810	0.089	ppbv#		98
15) Acrylonitrile	5.240	53	1698	0.067	ppbv#		1
16) 1,1-Dichloroethene	5.486	61	3217	0.048	ppbv#		76
17) Methylene Chloride	5.558	49	4621	0.084	ppbv#		80
20) Carbon Disulfide	5.778	76	4544	0.049	ppbv		98
21) Trichlorotrifluoroethane	5.731	101	2822	0.041	ppbv		94
22) Trans-1,2-Dichloroethene	6.183	61	2925	0.046	ppbv#		83
23) 1,1-Dichloroethane	6.313	63	3851	0.052	ppbv		74
24) Methyl tert-butyl ethe...	6.350	73	4898	0.054	ppbv#		81
25) Methyl Ethyl Ketone	6.563	43	6266	0.063	ppbv#		100
26) Cis-1,2-Dichloroethene	6.833	61	2645	0.043	ppbv		95
27) Hexane	6.957	57	3611	0.053	ppbv#		93
28) Chloroform	7.019	83	3176	0.045	ppbv		92
29) Ethyl acetate	0.000	61	0	0.000	ppbv		0
30) Tetrahydrofuran	7.291	42	2780	0.054	ppbv#		45
31) 1,2-Dichloroethane	7.484	62	2813	0.051	ppbv#		67
32) 1,1,1-Trichloroethane	7.647	97	3501	0.047	ppbv		88
33) Benzene	7.928	78	6861	0.063	ppbv		95
34) Carbon Tetrachloride	8.023	117	3485	0.048	ppbv#		89
35) Cyclohexane	8.101	84	2434	0.059	ppbv#		1
37) 1,2-dichloropropane	8.421	63	2596	0.049	ppbv#		78
38) Bromodichloromethane	8.533	83	3167	0.042	ppbv		89
39) Trichloroethene	8.559	130	1948	0.042	ppbv		93
40) 2,2,4-trimethylpentane	8.559	57	11835	0.053	ppbv		99
41) 1,4-Dioxane	8.559	88	661	0.038	ppbv#		35
43) Heptane	8.698	43	5083	0.055	ppbv#		79
44) cis-1,3-Dichloropropene	9.053	75	2916	0.045	ppbv#		75
45) 4-Methyl-2-pentanone(M...	9.060	43	6472	0.059	ppbv#		77
46) trans-1,3-Dichloropropene	9.349	75	2371	0.045	ppbv#		77
47) 1,1,2-Trichloroethane	9.461	97	2057	0.045	ppbv		93
48) Toluene	9.623	91	7676	0.057	ppbv#		91

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_17.D
Acq On : 4 Dec 2025 5:45 pm
Operator :
Client ID : ICAL 0.05
Lab ID : 0.05 ppb; TO1515A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 05 08:49:06 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	9.877	129	2939	0.038	ppbv	97
50)	2-Hexanone(MBK)	9.743	43	6501	0.070	ppbv#	50
51)	1,2-Dibromoethane(EDB)	10.017	107	3545	0.049	ppbv	94
52)	Tetrachloroethene	10.264	166	3106	0.049	ppbv	96
54)	1,1,1,2-Tetrachloroethane	10.631	131	2138	0.044	ppbv#	80
55)	Chlorobenzene	10.647	112	4922	0.055	ppbv#	1
56)	Ethylbenzene	10.836	91	8878	0.056	ppbv	79
57)	m,p-Xylene	10.935	91	13833	0.118	ppbv	100
58)	Bromoform	11.011	173	2832	0.043	ppbv	97
59)	Styrene	11.139	104	4553	0.051	ppbv#	49
60)	1,1,2,2-Tetrachloroethane	11.200	83	4947	0.057	ppbv	95
61)	o-Xylene	11.200	91	7493	0.061	ppbv	97
64)	Isopropylbenzene	11.526	105	9707	0.056	ppbv#	94
66)	4-Ethyltoluene	11.898	105	10479	0.062	ppbv#	84
67)	1,3,5-Trimethylbenzene	11.936	105	8363	0.061	ppbv#	92
68)	1,2,4-Trimethylbenzene	12.194	105	8503	0.061	ppbv	97
70)	Benzyl chloride	12.285	91	4399	0.046	ppbv#	89
71)	1,3-Dichlorobenzene	12.308	146	5213	0.058	ppbv#	89
72)	1,4-Dichlorobenzene	12.346	146	5183	0.062	ppbv	100
73)	sec-Butylbenzene	12.354	105	12957	0.062	ppbv#	85
74)	4-Isopropyltoluene	12.445	119	12353	0.065	ppbv	100
75)	1,2-Dichlorobenzene	12.559	146	4637	0.056	ppbv	93
76)	n-Butylbenzene	12.711	91	9575	0.056	ppbv	98
77)	1,2,4-Trichlorobenzene	13.705	180	3021	0.057	ppbv	96
78)	Naphthalene	13.804	128	7634	0.069	ppbv#	97
79)	Hexachlorobutadiene	14.047	225	4440	0.070	ppbv	94
81]	1,2-Dichlorotetrafluor...	3.909	85	3716	0.045	ppbv#	84
82]	Vinyl Chloride(sim)	4.010	62	2106	0.047	ppbv	93
83]	Bromomethane(sim)	4.342	94	1587m	0.046	ppbv	62
84]	Trichlorofluoromethane...	5.040	101	4290	0.046	ppbv#	100
85]	1,2-Dichloroethane(sim)	7.484	62	2813	0.048	ppbv#	63
86]	1,1,1-Trichloroethane(...	7.642	97	3894	0.047	ppbv#	99
87]	Benzene(sim)	7.928	78	6861	0.058	ppbv	95
88]	Carbon Tetrachloride(sim)	8.026	117	3386	0.046	ppbv	99
89]	1,1-Dichloroethene(sim)	5.483	61	3497m	0.049	ppbv	76
90]	Trichlorotrifluoroetha...	5.734	101	3329	0.046	ppbv#	96
91]	Trans-1,2-Dichloroethe...	6.183	61	2925	0.045	ppbv#	83
92]	1,1-Dichloroethane(sim)	6.311	63	4078	0.047	ppbv	99
93]	Cis-1,2-Dichloroethene...	6.833	61	2645	0.040	ppbv	95
94]	Chloroform(sim)	7.022	83	3739	0.049	ppbv#	95
96]	1,2-dichloropropane(sim)	8.415	63	2894	0.049	ppbv#	78
97]	Bromodichloromethane(sim)	8.533	83	3167	0.041	ppbv	88
98]	Trichloroethene(sim)	8.562	130	2590	0.048	ppbv	96
99]	1,4-Dioxane(sim)	8.559	88	661	0.037	ppbv#	35
100]	cis-1,3-Dichloropropen...	9.049	75	3424	0.047	ppbv	97
101]	1,1,2-Trichloroethane(...	9.461	97	2057	0.042	ppbv	93
102]	Dibromochloromethane(sim)	9.872	129	3510	0.045	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.017	107	3545	0.045	ppbv	94
104]	Tetrachloroethene(sim)	10.267	166	3351	0.047	ppbv	93
106]	Bromoform(sim)	11.013	173	3072	0.045	ppbv	99
107]	m,p-Xylene(sim)	10.935	91	13833	0.103	ppbv	96
108]	1,1,2,2-Tetrachloroeth...	11.195	83	5149	0.048	ppbv	98
109]	Benzyl chloride(sim)	12.285	91	4399	0.046	ppbv	89
110]	1,3-Dichlorobenzene(sim)	12.303	146	5919	0.052	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.346	146	5183	0.053	ppbv	91

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_17.D
Acq On : 4 Dec 2025 5:45 pm
Operator :
Client ID : ICAL 0.05
Lab ID : 0.05 ppb; TO1515A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 05 08:49:06 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

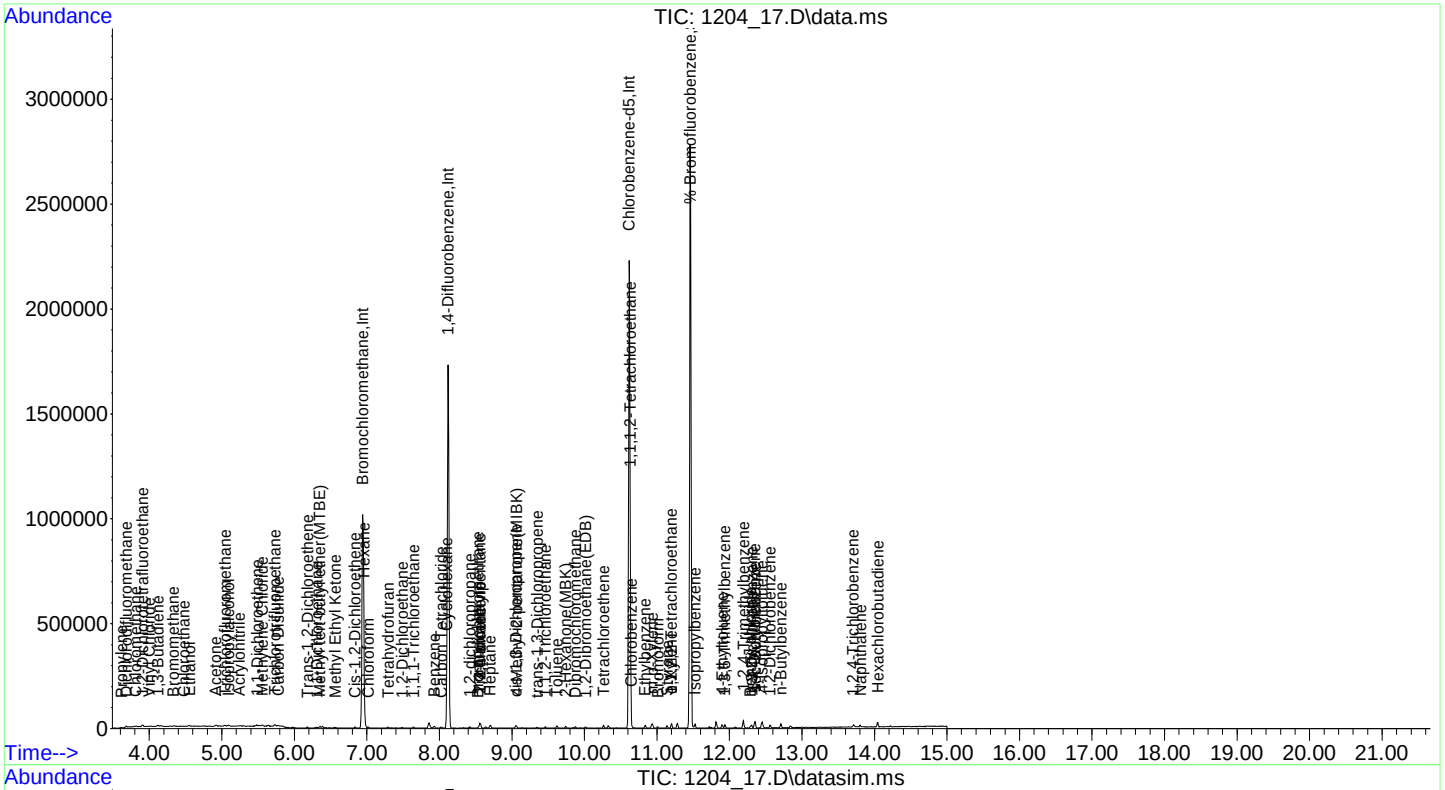
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.357	105	13176	0.053	ppbv	96
113] 4-Isopropyltoluene(sim)	12.445	119	12353	0.058	ppbv#	83
114] 1,2-Dichlorobenzene(sim)	12.562	146	5359	0.055	ppbv	98
115] n-Butylbenzene(sim)	12.711	91	9575	0.051	ppbv	98
116] 1,2,4-Trichlorobenzene...	13.708	180	3512	0.059	ppbv	98
118] Hexachlorobutadiene(sim)	14.043	225	5157	0.063	ppbv	99

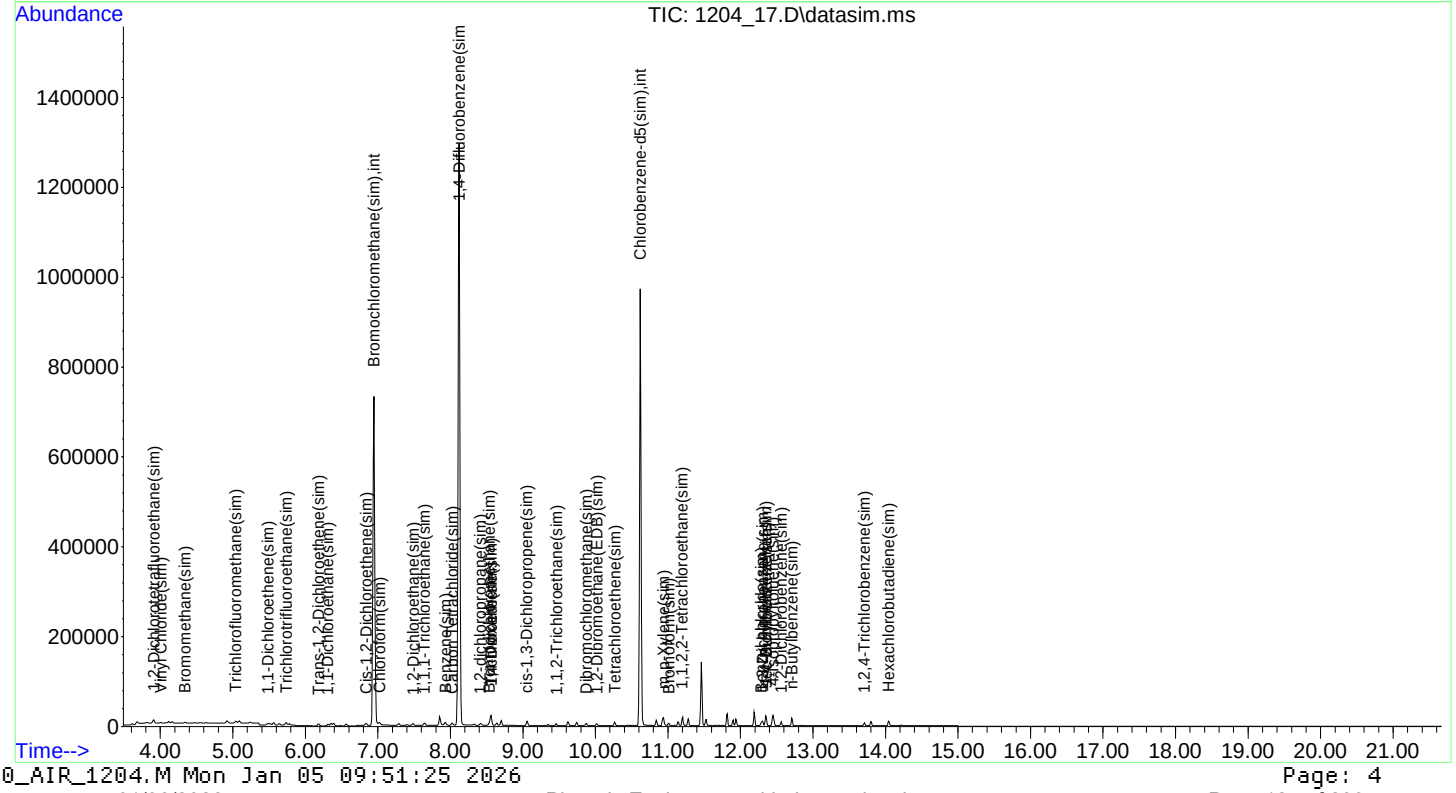
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_17.D
Acq On : 4 Dec 2025 5:45 pm
Operator :
Client ID : ICAL 0.05
Lab ID : 0.05 ppb; TO1515A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 05 08:49:06 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_18.D
Acq On : 4 Dec 2025 6:17 pm
Operator :
Client ID : ICAL 0.1
Lab ID : 0.10 ppb; TO1515A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 05 08:49:23 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	287634	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1086004	10.000	ng		0.00
53) Chlorobenzene-d5	10.616	82	581288	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	295350	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1086004	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.616	82	581288	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	784249	9.792	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.90%			
Target Compounds							Qvalue
2) Propylene	3.609	41	5110	0.141	ppbv#		83
3) Dichlorodifluoromethane	3.674	85	9265	0.112	ppbv#		91
4) Chloromethane	3.812	50	5003	0.128	ppbv		95
5) 1,2-Dichlorotetrafluor...	3.902	85	8323	0.107	ppbv		93
6) Vinyl Chloride	3.999	62	3892	0.106	ppbv		81
7) 1,3-Butadiene	4.121	54	3620	0.113	ppbv#		84
8) Bromomethane	4.340	94	3192	0.106	ppbv#		86
9) Chloroethane	4.469	64	1605	0.093	ppbv#		39
11) Ethanol	4.559	45	2184	0.187	ppbv#		99
12) Acetone	4.915	43	7513	0.115	ppbv#		77
13) Trichlorofluoromethane	5.037	101	8478	0.101	ppbv#		93
14) Isopropylalcohol	5.086	45	9568	0.130	ppbv#		98
15) Acrylonitrile	5.240	53	2755	0.113	ppbv#		1
16) 1,1-Dichloroethene	5.481	61	6959	0.108	ppbv		98
17) Methylene Chloride	5.564	49	7843	0.147	ppbv#		88
20) Carbon Disulfide	5.772	76	9801	0.109	ppbv#		78
21) Trichlorotrifluoroethane	5.731	101	7307	0.111	ppbv		96
22) Trans-1,2-Dichloroethene	6.178	61	6584	0.107	ppbv#		86
23) 1,1-Dichloroethane	6.308	63	7828	0.109	ppbv		91
24) Methyl tert-butyl ethe...	6.350	73	9558	0.109	ppbv#		81
25) Methyl Ethyl Ketone	6.558	43	10876	0.113	ppbv#		100
26) Cis-1,2-Dichloroethene	6.841	61	6156	0.102	ppbv#		89
27) Hexane	6.958	57	7462	0.112	ppbv#		96
28) Chloroform	7.020	83	6997	0.101	ppbv		90
29) Ethyl acetate	6.958	61	1193	0.086	ppbv#		40
30) Tetrahydrofuran	7.291	42	5688	0.114	ppbv#		69
31) 1,2-Dichloroethane	7.477	62	5171	0.097	ppbv#		87
32) 1,1,1-Trichloroethane	7.640	97	7002	0.098	ppbv		96
33) Benzene	7.928	78	11489	0.109	ppbv#		93
34) Carbon Tetrachloride	8.023	117	6627	0.094	ppbv		96
35) Cyclohexane	8.101	84	4508	0.113	ppbv#		11
37) 1,2-dichloropropane	8.421	63	5351	0.104	ppbv#		84
38) Bromodichloromethane	8.533	83	7424	0.101	ppbv		97
39) Trichloroethene	8.559	130	4950	0.109	ppbv		87
40) 2,2,4-trimethylpentane	8.559	57	24464	0.114	ppbv		98
41) 1,4-Dioxane	8.559	88	2170	0.128	ppbv#		70
43) Heptane	8.698	43	9910	0.110	ppbv#		86
44) cis-1,3-Dichloropropene	9.053	75	6272	0.100	ppbv		94
45) 4-Methyl-2-pentanone(M...	9.060	43	13205	0.123	ppbv#		86
46) trans-1,3-Dichloropropene	9.349	75	4745	0.093	ppbv#		94
47) 1,1,2-Trichloroethane	9.454	97	4731	0.107	ppbv		95
48) Toluene	9.623	91	14439	0.110	ppbv		95

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_18.D
Acq On : 4 Dec 2025 6:17 pm
Operator :
Client ID : ICAL 0.1
Lab ID : 0.10 ppb; TO1515A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 05 08:49:23 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	9.870	129	6654	0.088	ppbv	93
50)	2-Hexanone(MBK)	9.743	43	12183	0.134	ppbv#	41
51)	1,2-Dibromoethane(EDB)	10.018	107	7061	0.099	ppbv	99
52)	Tetrachloroethene	10.264	166	6653	0.108	ppbv	93
54)	1,1,1,2-Tetrachloroethane	10.632	131	5061	0.107	ppbv	97
55)	Chlorobenzene	10.647	112	10227	0.116	ppbv#	38
56)	Ethylbenzene	10.836	91	18125	0.117	ppbv	82
57)	m,p-Xylene	10.935	91	27860	0.243	ppbv	100
58)	Bromoform	11.011	173	5985	0.093	ppbv	96
59)	Styrene	11.140	104	9685	0.111	ppbv#	51
60)	1,1,2,2-Tetrachloroethane	11.200	83	9734	0.114	ppbv	92
61)	o-Xylene	11.200	91	14643	0.121	ppbv	92
64)	Isopropylbenzene	11.526	105	19801	0.117	ppbv#	94
66)	4-Ethyltoluene	11.898	105	20071	0.121	ppbv#	85
67)	1,3,5-Trimethylbenzene	11.944	105	16736	0.125	ppbv#	90
68)	1,2,4-Trimethylbenzene	12.194	105	16564	0.121	ppbv	95
70)	Benzyl chloride	12.285	91	9445	0.100	ppbv	95
71)	1,3-Dichlorobenzene	12.308	146	10553	0.120	ppbv#	92
72)	1,4-Dichlorobenzene	12.346	146	10378	0.127	ppbv	100
73)	sec-Butylbenzene	12.354	105	25753	0.127	ppbv#	88
74)	4-Isopropyltoluene	12.445	119	23234	0.124	ppbv	100
75)	1,2-Dichlorobenzene	12.559	146	9523	0.118	ppbv	93
76)	n-Butylbenzene	12.711	91	18841	0.112	ppbv	95
77)	1,2,4-Trichlorobenzene	13.706	180	5846	0.113	ppbv#	95
78)	Naphthalene	13.804	128	12595	0.117	ppbv#	96
79)	Hexachlorobutadiene	14.047	225	8566	0.137	ppbv	99
81]	1,2-Dichlorotetrafluor...	3.902	85	8323	0.102	ppbv	93
82]	Vinyl Chloride(sim)	4.002	62	4301	0.098	ppbv	99
83]	Bromomethane(sim)	4.334	94	3156m	0.094	ppbv	86
84]	Trichlorofluoromethane...	5.040	101	9109	0.100	ppbv#	98
85]	1,2-Dichloroethane(sim)	7.477	62	5171	0.090	ppbv#	12
86]	1,1,1-Trichloroethane(...	7.642	97	7903	0.099	ppbv#	99
87]	Benzene(sim)	7.928	78	11489	0.099	ppbv#	93
88]	Carbon Tetrachloride(sim)	8.026	117	7150	0.099	ppbv	99
89]	1,1-Dichloroethene(sim)	5.481	61	6959	0.099	ppbv	98
90]	Trichlorotrifluoroetha...	5.734	101	7770	0.111	ppbv#	98
91]	Trans-1,2-Dichloroethe...	6.178	61	6584	0.104	ppbv#	86
92]	1,1-Dichloroethane(sim)	6.311	63	8442	0.100	ppbv	97
93]	Cis-1,2-Dichloroethene...	6.841	61	6156	0.095	ppbv#	89
94]	Chloroform(sim)	7.023	83	7671	0.103	ppbv	96
96]	1,2-dichloropropane(sim)	8.415	63	5877	0.102	ppbv#	77
97]	Bromodichloromethane(sim)	8.533	83	7424	0.098	ppbv	95
98]	Trichloroethene(sim)	8.562	130	5245	0.099	ppbv	97
99]	1,4-Dioxane(sim)	8.559	88	2170	0.126	ppbv#	70
100]	cis-1,3-Dichloropropen...	9.049	75	7139	0.100	ppbv	98
101]	1,1,2-Trichloroethane(...	9.454	97	4731	0.098	ppbv	95
102]	Dibromochloromethane(sim)	9.873	129	7303	0.097	ppbv	97
103]	1,2-Dibromoethane(EDB)...	10.018	107	7061	0.093	ppbv	98
104]	Tetrachloroethene(sim)	10.267	166	6884	0.100	ppbv	93
106]	Bromoform(sim)	11.006	173	6390	0.096	ppbv	99
107]	m,p-Xylene(sim)	10.935	91	27860	0.211	ppbv	94
108]	1,1,2,2-Tetrachloroeth...	11.196	83	10541	0.100	ppbv	99
109]	Benzyl chloride(sim)	12.285	91	9445	0.100	ppbv	95
110]	1,3-Dichlorobenzene(sim)	12.304	146	11607	0.105	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.346	146	10378	0.108	ppbv	89

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_18.D
Acq On : 4 Dec 2025 6:17 pm
Operator :
Client ID : ICAL 0.1
Lab ID : 0.10 ppb; TO1515A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 05 08:49:23 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

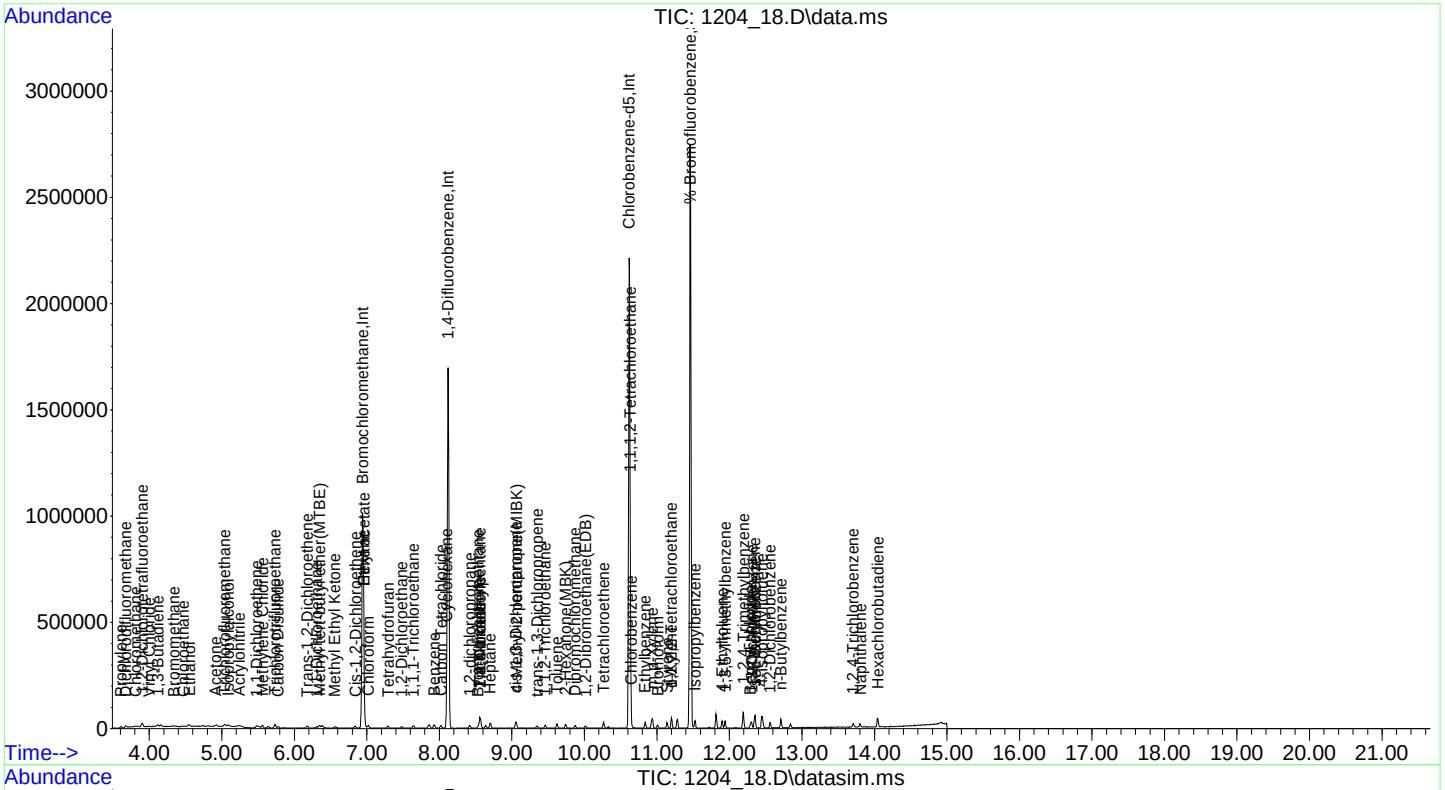
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.357	105	26837	0.110	ppbv	96
113] 4-Isopropyltoluene(sim)	12.445	119	23234	0.110	ppbv#	85
114] 1,2-Dichlorobenzene(sim)	12.562	146	10624	0.111	ppbv	98
115] n-Butylbenzene(sim)	12.711	91	18841	0.103	ppbv	95
116] 1,2,4-Trichlorobenzene...	13.709	180	6360	0.109	ppbv	99
118] Hexachlorobutadiene(sim)	14.043	225	9338	0.116	ppbv	99

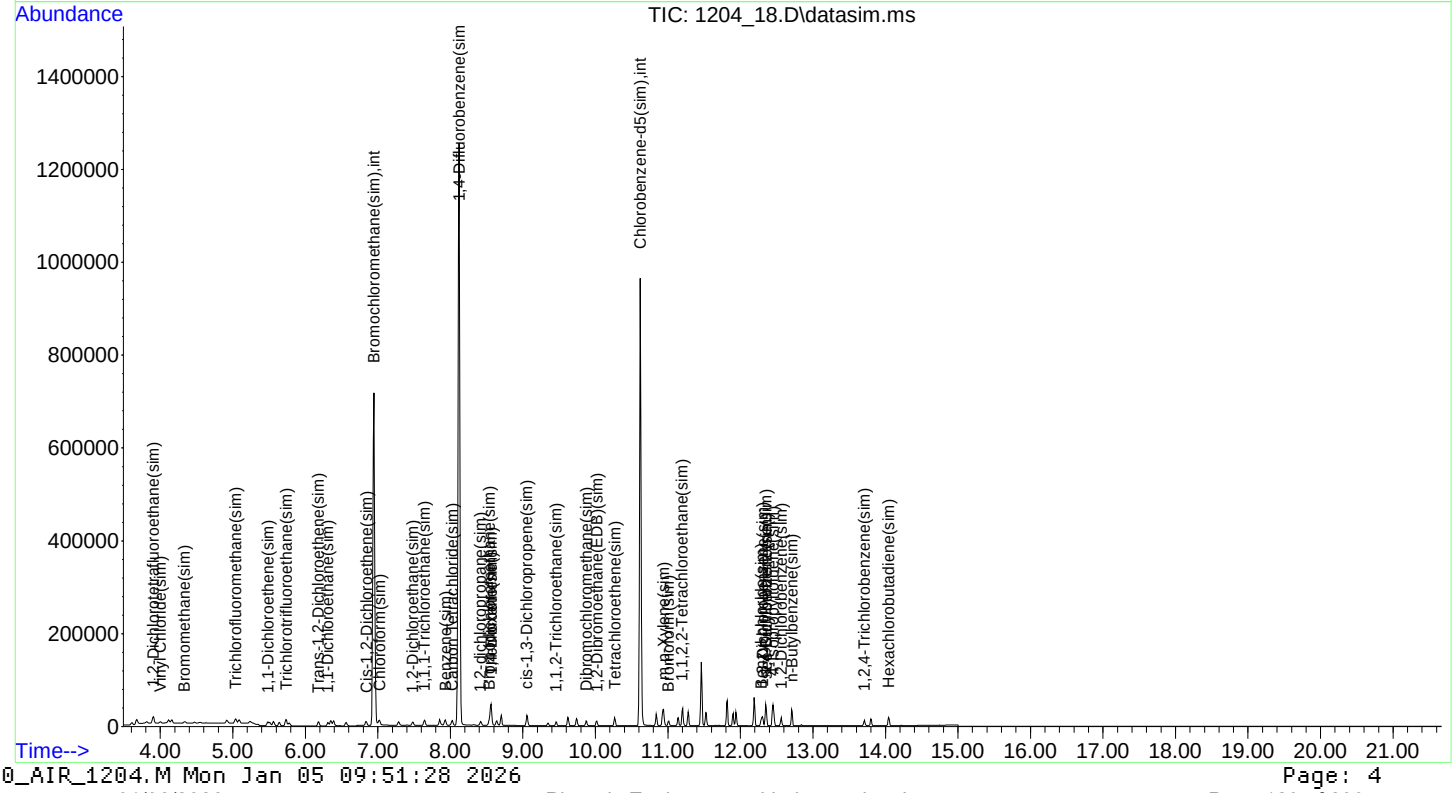
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_18.D
Acq On : 4 Dec 2025 6:17 pm
Operator :
Client ID : ICAL 0.1
Lab ID : 0.10 ppb; TO1515A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 05 08:49:23 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_19.D
Acq On : 4 Dec 2025 6:49 pm
Operator :
Client ID : ICAL 0.2
Lab ID : 0.20 ppb; TO1515A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 08:43:53 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	288446	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1089444	10.000	ng		0.00
53) Chlorobenzene-d5	10.617	82	588570	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	297392	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1089444	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.617	82	588570	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	795942	9.815	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.20%				
Target Compounds							Qvalue
2) Propylene	3.610	41	8433	0.232	ppbv		85
3) Dichlorodifluoromethane	3.675	85	17257	0.208	ppbv#		94
4) Chloromethane	3.812	50	8704	0.223	ppbv		100
5) 1,2-Dichlorotetrafluor...	3.902	85	16250	0.208	ppbv		96
6) Vinyl Chloride	3.999	62	7407	0.201	ppbv		84
7) 1,3-Butadiene	4.113	54	6742	0.209	ppbv		90
8) Bromomethane	4.340	94	6287	0.208	ppbv#		86
9) Chloroethane	4.469	64	3086	0.179	ppbv		89
11) Ethanol	4.559	45	3597	0.307	ppbv#		74
12) Acetone	4.916	43	14652	0.223	ppbv#		80
13) Trichlorofluoromethane	5.037	101	16264	0.192	ppbv		97
14) Isopropylalcohol	5.086	45	16438	0.223	ppbv#		98
15) Acrylonitrile	5.240	53	5299	0.217	ppbv#		1
16) 1,1-Dichloroethene	5.481	61	13223	0.204	ppbv		92
17) Methylene Chloride	5.558	49	12801	0.239	ppbv#		83
20) Carbon Disulfide	5.779	76	17939	0.199	ppbv#		92
21) Trichlorotrifluoroethane	5.731	101	12340	0.187	ppbv		97
22) Trans-1,2-Dichloroethene	6.178	61	12739	0.206	ppbv		90
23) 1,1-Dichloroethane	6.308	63	15182	0.211	ppbv		90
24) Methyl tert-butyl ethe...	6.350	73	19169	0.218	ppbv#		83
25) Methyl Ethyl Ketone	6.559	43	20066	0.209	ppbv#		93
26) Cis-1,2-Dichloroethene	6.834	61	11955	0.198	ppbv		94
27) Hexane	6.958	57	14473	0.217	ppbv#		86
28) Chloroform	7.020	83	14020	0.203	ppbv		95
29) Ethyl acetate	6.958	61	2544	0.184	ppbv#		63
30) Tetrahydrofuran	7.291	42	10602	0.211	ppbv#		74
31) 1,2-Dichloroethane	7.485	62	10423	0.194	ppbv#		87
32) 1,1,1-Trichloroethane	7.640	97	14446	0.201	ppbv		94
33) Benzene	7.928	78	22047	0.208	ppbv		95
34) Carbon Tetrachloride	8.023	117	13024	0.185	ppbv		99
35) Cyclohexane	8.101	84	8703	0.217	ppbv#		55
37) 1,2-dichloropropane	8.421	63	10228	0.198	ppbv#		78
38) Bromodichloromethane	8.534	83	13835	0.187	ppbv		96
39) Trichloroethene	8.560	130	9566	0.211	ppbv		90
40) 2,2,4-trimethylpentane	8.560	57	46770	0.216	ppbv		98
41) 1,4-Dioxane	8.551	88	3740	0.220	ppbv#		66
43) Heptane	8.698	43	19778	0.218	ppbv#		85
44) cis-1,3-Dichloropropene	9.053	75	12452	0.197	ppbv		96
45) 4-Methyl-2-pentanone(M...	9.060	43	25304	0.234	ppbv#		92
46) trans-1,3-Dichloropropene	9.349	75	9611	0.188	ppbv		97
47) 1,1,2-Trichloroethane	9.462	97	8513	0.192	ppbv		94
48) Toluene	9.624	91	27810	0.211	ppbv		99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_19.D
Acq On : 4 Dec 2025 6:49 pm
Operator :
Client ID : ICAL 0.2
Lab ID : 0.20 ppb; TO1515A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 08:43:53 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	9.870	129	13675	0.181	ppbv	98
50)	2-Hexanone(MBK)	9.743	43	23346	0.257	ppbv#	39
51)	1,2-Dibromoethane(EDB)	10.018	107	14057	0.197	ppbv	98
52)	Tetrachloroethene	10.264	166	12868	0.208	ppbv	96
54)	1,1,1,2-Tetrachloroethane	10.632	131	9316	0.195	ppbv#	91
55)	Chlorobenzene	10.647	112	19389	0.218	ppbv#	71
56)	Ethylbenzene	10.836	91	34295	0.219	ppbv	82
57)	m,p-Xylene	10.935	91	54230	0.466	ppbv	100
58)	Bromoform	11.011	173	11518	0.177	ppbv	97
59)	Styrene	11.140	104	18963	0.215	ppbv#	57
60)	1,1,2,2-Tetrachloroethane	11.200	83	19320	0.224	ppbv	95
61)	o-Xylene	11.200	91	29088	0.238	ppbv	95
64)	Isopropylbenzene	11.526	105	37567	0.220	ppbv#	93
66)	4-Ethyltoluene	11.898	105	37670	0.224	ppbv#	89
67)	1,3,5-Trimethylbenzene	11.936	105	30984	0.228	ppbv#	90
68)	1,2,4-Trimethylbenzene	12.195	105	32017	0.231	ppbv	93
70)	Benzyl chloride	12.286	91	18336	0.192	ppbv	97
71)	1,3-Dichlorobenzene	12.301	146	20421	0.230	ppbv#	92
72)	1,4-Dichlorobenzene	12.346	146	18825	0.227	ppbv	100
73)	sec-Butylbenzene	12.354	105	47563	0.231	ppbv#	90
74)	4-Isopropyltoluene	12.445	119	43791	0.231	ppbv	100
75)	1,2-Dichlorobenzene	12.559	146	18475	0.226	ppbv	93
76)	n-Butylbenzene	12.711	91	37665	0.222	ppbv	98
77)	1,2,4-Trichlorobenzene	13.706	180	10399	0.199	ppbv	90
78)	Naphthalene	13.805	128	23835	0.218	ppbv#	96
79)	Hexachlorobutadiene	14.048	225	15793	0.249	ppbv	99
81]	1,2-Dichlorotetrafluor...	3.902	85	16250	0.199	ppbv	96
82]	Vinyl Chloride(sim)	4.002	62	8260	0.188	ppbv	98
83]	Bromomethane(sim)	4.340	94	6287	0.186	ppbv#	86
84]	Trichlorofluoromethane...	5.040	101	17240	0.187	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.485	62	10423	0.180	ppbv#	9
86]	1,1,1-Trichloroethane(...	7.643	97	15234	0.189	ppbv#	99
87]	Benzene(sim)	7.928	78	22047	0.190	ppbv	95
88]	Carbon Tetrachloride(sim)	8.026	117	13529	0.186	ppbv	99
89]	1,1-Dichloroethene(sim)	5.481	61	13223	0.188	ppbv	92
90]	Trichlorotrifluoroetha...	5.734	101	13207	0.187	ppbv#	95
91]	Trans-1,2-Dichloroethe...	6.178	61	12739	0.200	ppbv	90
92]	1,1-Dichloroethane(sim)	6.311	63	16339	0.193	ppbv	97
93]	Cis-1,2-Dichloroethene...	6.834	61	11955	0.184	ppbv	94
94]	Chloroform(sim)	7.023	83	14813	0.197	ppbv	99
96]	1,2-dichloropropane(sim)	8.415	63	11331	0.196	ppbv#	77
97]	Bromodichloromethane(sim)	8.534	83	13835	0.181	ppbv	94
98]	Trichloroethene(sim)	8.562	130	10160	0.192	ppbv	96
99]	1,4-Dioxane(sim)	8.551	88	3740	0.216	ppbv#	66
100]	cis-1,3-Dichloropropen...	9.049	75	13733	0.192	ppbv	100
101]	1,1,2-Trichloroethane(...	9.462	97	8513	0.176	ppbv	94
102]	Dibromochloromethane(sim)	9.873	129	13925	0.184	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.018	107	14057	0.184	ppbv	98
104]	Tetrachloroethene(sim)	10.267	166	13348	0.193	ppbv	93
106]	Bromoform(sim)	11.006	173	12244	0.182	ppbv	99
107]	m,p-Xylene(sim)	10.935	91	54230	0.406	ppbv	95
108]	1,1,2,2-Tetrachloroeth...	11.196	83	20090	0.188	ppbv	98
109]	Benzyl chloride(sim)	12.286	91	18336	0.192	ppbv	97
110]	1,3-Dichlorobenzene(sim)	12.304	146	22096	0.197	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.346	146	18825	0.194	ppbv	89

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_19.D
Acq On : 4 Dec 2025 6:49 pm
Operator :
Client ID : ICAL 0.2
Lab ID : 0.20 ppb; TO1515A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 08:43:53 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

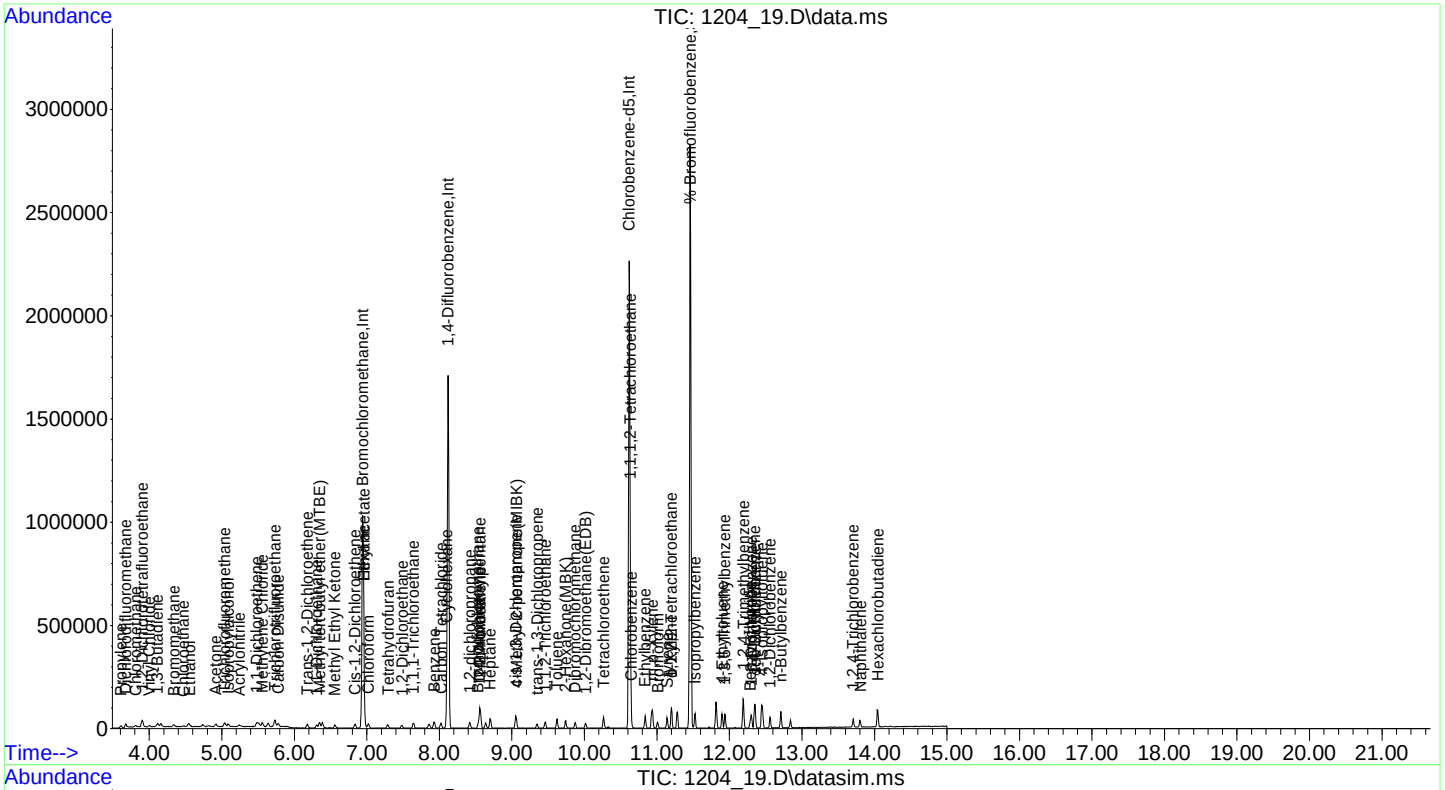
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.357	105	51158	0.207	ppbv	96
113] 4-Isopropyltoluene(sim)	12.445	119	43791	0.205	ppbv#	86
114] 1,2-Dichlorobenzene(sim)	12.562	146	19943	0.206	ppbv	98
115] n-Butylbenzene(sim)	12.711	91	37665	0.204	ppbv	98
116] 1,2,4-Trichlorobenzene...	13.709	180	11874	0.201	ppbv	99
118] Hexachlorobutadiene(sim)	14.043	225	17231	0.212	ppbv	99

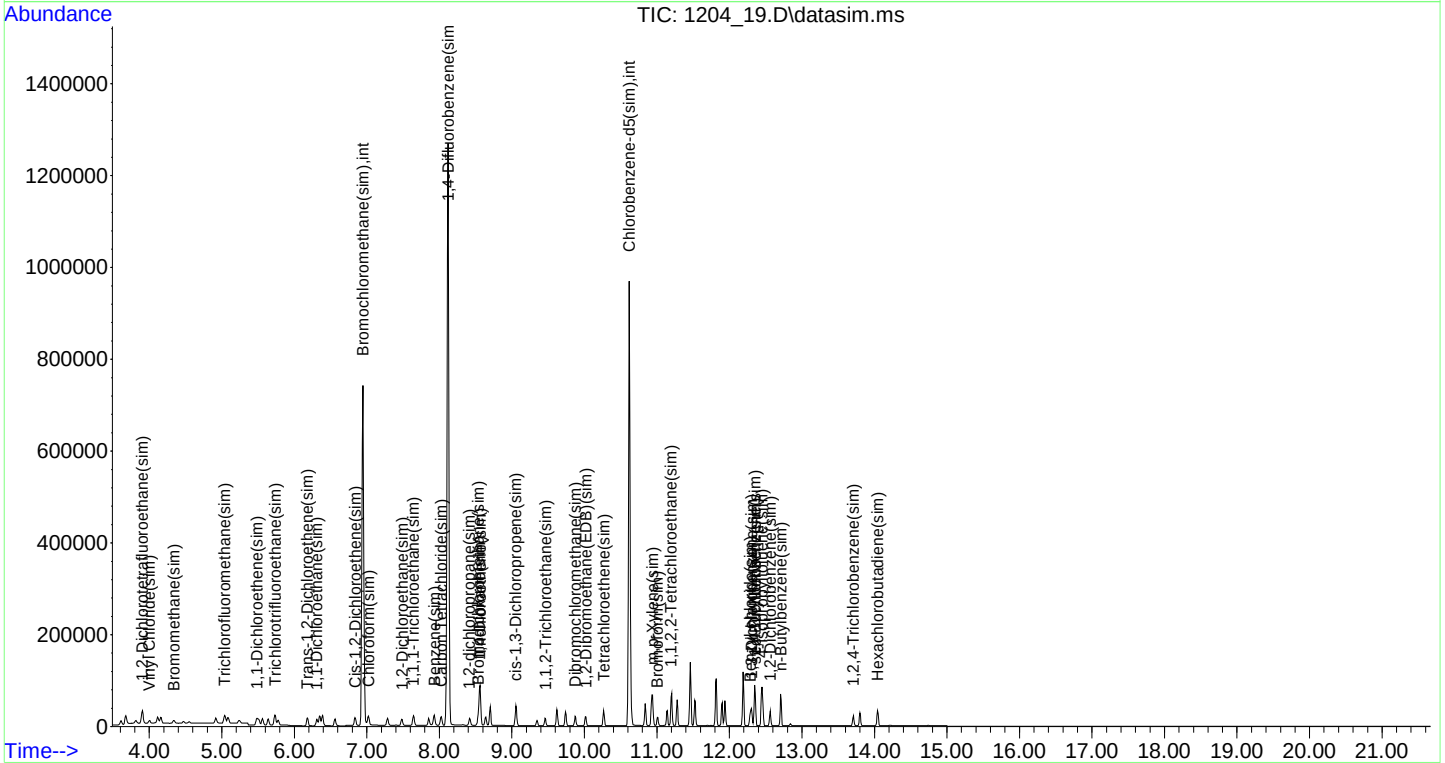
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_19.D
Acq On : 4 Dec 2025 6:49 pm
Operator :
Client ID : ICAL 0.2
Lab ID : 0.20 ppb; TO1515A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 08:43:53 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_20.D
Acq On : 4 Dec 2025 7:23 pm
Operator :
Client ID : ICAL 0.5
Lab ID : 0.50 ppb; TO1515A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 05 08:41:37 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Nov 11 08:46:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.942	130	286029	10.000	ng	-0.02
36) 1,4-Difluorobenzene	8.118	114	1082448	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	576143	10.000	ng	0.00
80) Bromochloromethane(sim)	6.945	130	292457	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1082448	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.617	82	576143	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.458	95	793812	12.776	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 127.80%			
Target Compounds						Qvalue
2) Propylene	3.610	41	18405	0.511	ppbv	89
3) Dichlorodifluoromethane	3.674	85	40646	0.493	ppbv	96
4) Chloromethane	3.812	50	20507	0.529	ppbv	94
5) 1,2-Dichlorotetrafluor...	3.902	85	39040	0.504	ppbv	95
6) Vinyl Chloride	3.999	62	18191	0.498	ppbv	91
7) 1,3-Butadiene	4.113	54	17350	0.543	ppbv	97
8) Bromomethane	4.332	94	14636	0.489	ppbv#	89
9) Chloroethane	4.469	64	8216	0.481	ppbv	95
11) Ethanol	4.559	45	6709	0.577	ppbv#	47
12) Acetone	4.916	43	33203	0.510	ppbv#	77
13) Trichlorofluoromethane	5.037	101	39646	0.473	ppbv	96
14) Isopropylalcohol	5.086	45	39168	0.535	ppbv#	98
15) Acrylonitrile	5.240	53	12547	0.518	ppbv#	1
16) 1,1-Dichloroethene	5.481	61	31371	0.489	ppbv	96
17) Methylene Chloride	5.558	49	27805	0.522	ppbv#	84
20) Carbon Disulfide	5.779	76	42701	0.477	ppbv	99
21) Trichlorotrifluoroethane	5.731	101	30745	0.469	ppbv	95
22) Trans-1,2-Dichloroethene	6.178	61	30686	0.501	ppbv	91
23) 1,1-Dichloroethane	6.308	63	36022	0.504	ppbv	91
24) Methyl tert-butyl ethe...	6.345	73	45762	0.525	ppbv#	85
25) Methyl Ethyl Ketone	6.558	43	49689	0.521	ppbv#	93
26) Cis-1,2-Dichloroethene	6.834	61	30338	0.508	ppbv	90
27) Hexane	6.958	57	33304	0.503	ppbv#	89
28) Chloroform	7.020	83	34265	0.500	ppbv	95
29) Ethyl acetate	6.958	61	6390	0.465	ppbv#	78
30) Tetrahydrofuran	7.283	42	25649	0.515	ppbv#	80
31) 1,2-Dichloroethane	7.485	62	26529	0.498	ppbv#	86
32) 1,1,1-Trichloroethane	7.640	97	33375	0.468	ppbv	95
33) Benzene	7.928	78	51929	0.494	ppbv	95
34) Carbon Tetrachloride	8.023	117	32258	0.462	ppbv	97
35) Cyclohexane	8.101	84	20403	0.514	ppbv#	74
37) 1,2-dichloropropane	8.421	63	25475	0.496	ppbv#	79
38) Bromodichloromethane	8.534	83	35013	0.477	ppbv	100
39) Trichloroethene	8.560	130	23468	0.520	ppbv	84
40) 2,2,4-trimethylpentane	8.560	57	112249	0.523	ppbv	97
41) 1,4-Dioxane	8.551	88	9880	0.585	ppbv#	79
43) Heptane	8.698	43	47472	0.527	ppbv#	85
44) cis-1,3-Dichloropropene	9.053	75	31126	0.496	ppbv	98
45) 4-Methyl-2-pentanone(M...	9.060	43	58315	0.544	ppbv#	94
46) trans-1,3-Dichloropropene	9.349	75	23847	0.469	ppbv	98
47) 1,1,2-Trichloroethane	9.462	97	21909	0.498	ppbv	98
48) Toluene	9.623	91	66666	0.508	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_20.D
Acq On : 4 Dec 2025 7:23 pm
Operator :
Client ID : ICAL 0.5
Lab ID : 0.50 ppb; TO1515A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 05 08:41:37 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Nov 11 08:46:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	33363	0.444	ppbv	98
50) 2-Hexanone(MBK)	9.743	43	54257	0.600	ppbv#	39
51) 1,2-Dibromoethane(EDB)	10.018	107	34529	0.487	ppbv	96
52) Tetrachloroethene	10.264	166	30370	0.494	ppbv	97
54) 1,1,1,2-Tetrachloroethane	10.632	131	22903	0.489	ppbv#	91
55) Chlorobenzene	10.647	112	47357	0.544	ppbv	95
56) Ethylbenzene	10.836	91	83032	0.543	ppbv	81
57) m,p-Xylene	10.935	91	131322	1.154	ppbv	100
58) Bromoform	11.011	173	28936	0.455	ppbv	99
59) Styrene	11.140	104	46267	0.535	ppbv#	54
60) 1,1,2,2-Tetrachloroethane	11.200	83	46149	0.546	ppbv	97
61) o-Xylene	11.200	91	65828	0.551	ppbv	92
64) Isopropylbenzene	11.526	105	90690	0.542	ppbv#	93
66) 4-Ethyltoluene	11.898	105	92918	0.564	ppbv#	90
67) 1,3,5-Trimethylbenzene	11.936	105	74799	0.563	ppbv#	91
68) 1,2,4-Trimethylbenzene	12.187	105	75949	0.560	ppbv	95
70) Benzyl chloride	12.286	91	46158	0.493	ppbv	97
71) 1,3-Dichlorobenzene	12.301	146	48021	0.553	ppbv#	92
72) 1,4-Dichlorobenzene	12.346	146	46016	0.567	ppbv	100
73) sec-Butylbenzene	12.354	105	116232	0.576	ppbv#	89
74) 4-Isopropyltoluene	12.445	119	104084	0.562	ppbv	100
75) 1,2-Dichlorobenzene	12.559	146	44065	0.549	ppbv	93
76) n-Butylbenzene	12.711	91	89209	0.537	ppbv	98
77) 1,2,4-Trichlorobenzene	13.706	180	25784	0.503	ppbv	95
78) Naphthalene	13.805	128	60324	0.564	ppbv#	96
79) Hexachlorobutadiene	14.040	225	35541	0.573	ppbv	97
81] 1,2-Dichlorotetrafluor...	3.902	85	39040	0.485	ppbv	95
82] Vinyl Chloride(sim)	4.002	62	19825	0.458	ppbv	98
83] Bromomethane(sim)	4.332	94	14636	0.441	ppbv#	90
84] Trichlorofluoromethane...	5.040	101	41600	0.460	ppbv#	99
85] 1,2-Dichloroethane(sim)	7.485	62	26529	0.465	ppbv#	9
86] 1,1,1-Trichloroethane(...	7.643	97	36705	0.462	ppbv#	99
87] Benzene(sim)	7.928	78	51929	0.454	ppbv	95
88] Carbon Tetrachloride(sim)	8.026	117	32755	0.458	ppbv	100
89] 1,1-Dichloroethene(sim)	5.481	61	31371	0.452	ppbv	96
90] Trichlorotrifluoroetha...	5.734	101	31828	0.459	ppbv#	96
91] Trans-1,2-Dichloroethe...	6.178	61	30686	0.491	ppbv	91
92] 1,1-Dichloroethane(sim)	6.311	63	39231	0.470	ppbv	97
93] Cis-1,2-Dichloroethene...	6.834	61	30338	0.475	ppbv	90
94] Chloroform(sim)	7.023	83	35482	0.480	ppbv	99
96] 1,2-dichloropropane(sim)	8.415	63	27387	0.476	ppbv#	78
97] Bromodichloromethane(sim)	8.534	83	35013	0.462	ppbv	99
98] Trichloroethene(sim)	8.562	130	24263	0.461	ppbv	96
99] 1,4-Dioxane(sim)	8.551	88	9880	0.574	ppbv#	79
100] cis-1,3-Dichloropropen...	9.049	75	33428	0.469	ppbv	99
101] 1,1,2-Trichloroethane(...	9.462	97	21909	0.457	ppbv	98
102] Dibromochloromethane(sim)	9.873	129	34074	0.453	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.018	107	34529	0.455	ppbv	96
104] Tetrachloroethene(sim)	10.267	166	32510	0.473	ppbv	94
106] Bromoform(sim)	11.006	173	29846	0.453	ppbv	99
107] m,p-Xylene(sim)	10.935	91	131322	1.004	ppbv	95
108] 1,1,2,2-Tetrachloroeth...	11.196	83	48402	0.463	ppbv	98
109] Benzyl chloride(sim)	12.286	91	46158	0.495	ppbv	97
110] 1,3-Dichlorobenzene(sim)	12.304	146	53194	0.484	ppbv	97
111] 1,4-Dichlorobenzene(sim)	12.346	146	46016	0.484	ppbv	91

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_20.D
Acq On : 4 Dec 2025 7:23 pm
Operator :
Client ID : ICAL 0.5
Lab ID : 0.50 ppb; TO1515A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 05 08:41:37 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Nov 11 08:46:33 2025
Response via : Initial Calibration

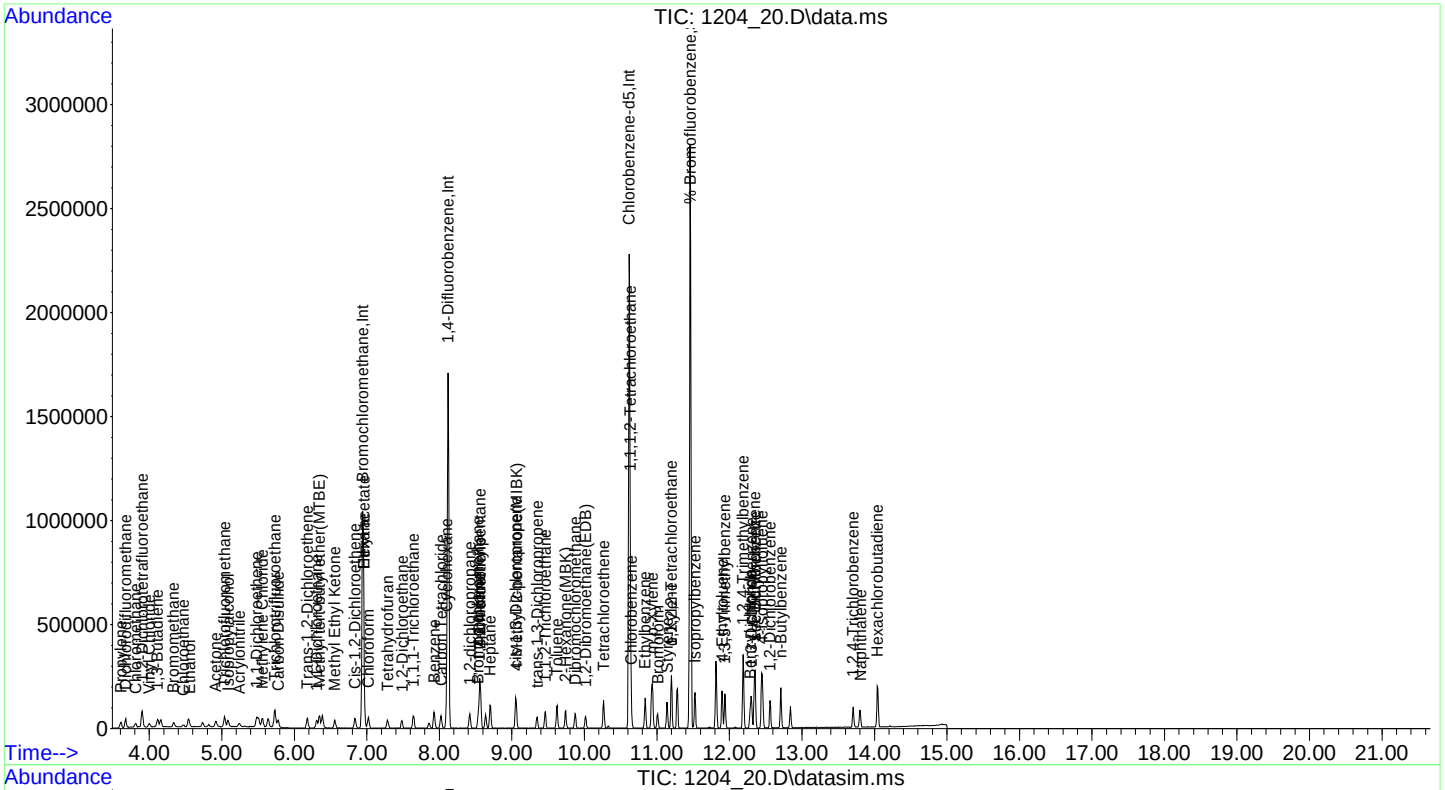
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.349	105	121247	0.501	ppbv	96
113] 4-Isopropyltoluene(sim)	12.445	119	104084	0.498	ppbv#	85
114] 1,2-Dichlorobenzene(sim)	12.562	146	47719	0.504	ppbv	98
115] n-Butylbenzene(sim)	12.711	91	89209	0.493	ppbv	98
116] 1,2,4-Trichlorobenzene...	13.709	180	28981	0.352	ppbv	100
118] Hexachlorobutadiene(sim)	14.043	225	39833	0.374	ppbv	99

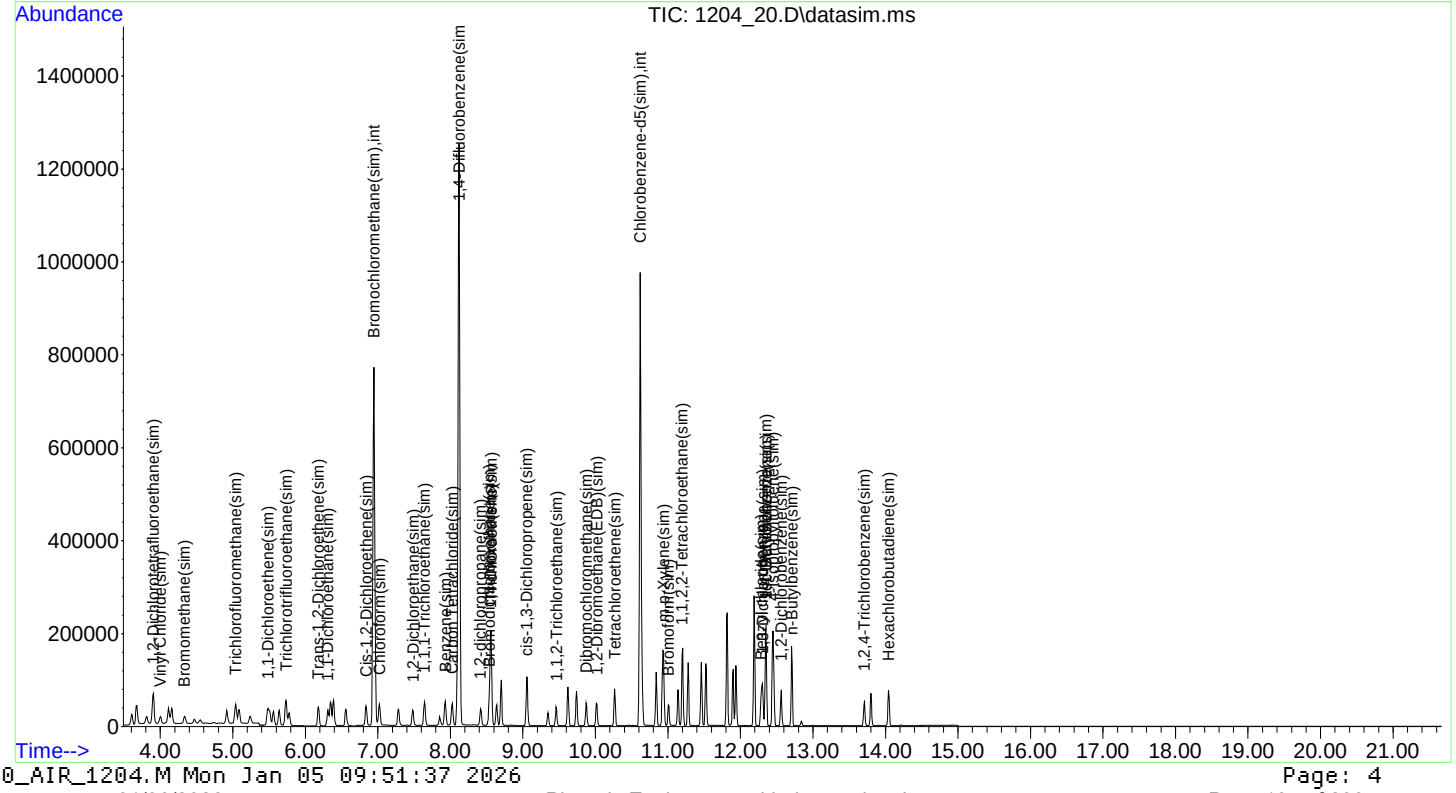
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_20.D
Acq On : 4 Dec 2025 7:23 pm
Operator :
Client ID : ICAL 0.5
Lab ID : 0.50 ppb; TO1515A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 05 08:41:37 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Nov 11 08:46:33 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_21.D
Acq On : 4 Dec 2025 7:58 pm
Operator :
Client ID : ICAL 2.5
Lab ID : 2.5 ppb; TO1514Z
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 05 08:43:56 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	275953	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1046471	10.000	ng		0.00
53) Chlorobenzene-d5	10.617	82	577526	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	282291	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1046471	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.617	82	577526	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	770789	9.687	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.90%				
Target Compounds							Qvalue
2) Propylene	3.610	41	86888	2.500	ppbv		90
3) Dichlorodifluoromethane	3.675	85	201739	2.537	ppbv		98
4) Chloromethane	3.812	50	93798	2.508	ppbv		94
5) 1,2-Dichlorotetrafluor...	3.902	85	192728	2.577	ppbv		94
6) Vinyl Chloride	3.999	62	91096	2.585	ppbv		89
7) 1,3-Butadiene	4.113	54	78659	2.550	ppbv		95
8) Bromomethane	4.332	94	74985	2.599	ppbv	#	86
9) Chloroethane	4.469	64	42322	2.568	ppbv		93
11) Ethanol	4.559	45	21785	1.943	ppbv	#	42
12) Acetone	4.916	43	153797	2.449	ppbv	#	77
13) Trichlorofluoromethane	5.037	101	208463	2.577	ppbv		97
14) Isopropylalcohol	5.078	45	166111	2.352	ppbv	#	94
15) Acrylonitrile	5.240	53	57421	2.459	ppbv	#	1
16) 1,1-Dichloroethene	5.481	61	157783	2.547	ppbv		99
17) Methylene Chloride	5.558	49	127816	2.489	ppbv		90
20) Carbon Disulfide	5.779	76	220971	2.560	ppbv		96
21) Trichlorotrifluoroethane	5.731	101	165859	2.624	ppbv		97
22) Trans-1,2-Dichloroethene	6.178	61	147660	2.498	ppbv		90
23) 1,1-Dichloroethane	6.308	63	172325	2.501	ppbv		92
24) Methyl tert-butyl ethe...	6.334	73	210060	2.496	ppbv	#	87
25) Methyl Ethyl Ketone	6.548	43	239412	2.602	ppbv	#	93
26) Cis-1,2-Dichloroethene	6.834	61	144046	2.498	ppbv		91
27) Hexane	6.958	57	159682	2.502	ppbv	#	89
28) Chloroform	7.020	83	165689	2.504	ppbv		93
29) Ethyl acetate	6.950	61	34061	2.571	ppbv	#	78
30) Tetrahydrofuran	7.275	42	117109	2.438	ppbv	#	84
31) 1,2-Dichloroethane	7.477	62	130354	2.537	ppbv	#	86
32) 1,1,1-Trichloroethane	7.640	97	170290	2.477	ppbv		97
33) Benzene	7.928	78	251960	2.484	ppbv		95
34) Carbon Tetrachloride	8.023	117	166466	2.473	ppbv		100
35) Cyclohexane	8.101	84	94493	2.466	ppbv	#	89
37) 1,2-dichloropropane	8.421	63	124685	2.511	ppbv	#	77
38) Bromodichloromethane	8.534	83	176677	2.487	ppbv		95
39) Trichloroethene	8.560	130	111095	2.545	ppbv		87
40) 2,2,4-trimethylpentane	8.560	57	535754	2.580	ppbv		96
41) 1,4-Dioxane	8.542	88	33411	2.047	ppbv	#	64
43) Heptane	8.698	43	220668	2.533	ppbv	#	88
44) cis-1,3-Dichloropropene	9.046	75	153861	2.536	ppbv		98
45) 4-Methyl-2-pentanone(M...	9.053	43	254037	2.450	ppbv	#	95
46) trans-1,3-Dichloropropene	9.342	75	121511	2.470	ppbv		99
47) 1,1,2-Trichloroethane	9.455	97	108249	2.545	ppbv		98
48) Toluene	9.624	91	322554	2.544	ppbv		99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_21.D
Acq On : 4 Dec 2025 7:58 pm
Operator :
Client ID : ICAL 2.5
Lab ID : 2.5 ppb; TO1514Z
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 05 08:43:56 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	9.870	129	179041	2.465	ppbv	98
50)	2-Hexanone(MBK)	9.736	43	171063	1.957	ppbv#	37
51)	1,2-Dibromoethane(EDB)	10.018	107	172067	2.513	ppbv	96
52)	Tetrachloroethene	10.264	166	150197	2.529	ppbv	96
54)	1,1,1,2-Tetrachloroethane	10.632	131	122724	2.614	ppbv#	92
55)	Chlorobenzene	10.647	112	228526	2.619	ppbv	90
56)	Ethylbenzene	10.836	91	405658	2.645	ppbv	82
57)	m,p-Xylene	10.935	91	618435	5.421	ppbv	100
58)	Bromoform	11.011	173	161151	2.527	ppbv	98
59)	Styrene	11.140	104	226239	2.609	ppbv#	55
60)	1,1,2,2-Tetrachloroethane	11.200	83	217787	2.568	ppbv	95
61)	o-Xylene	11.200	91	311946	2.605	ppbv	92
64)	Isopropylbenzene	11.526	105	442495	2.639	ppbv#	93
66)	4-Ethyltoluene	11.898	105	431420	2.612	ppbv#	89
67)	1,3,5-Trimethylbenzene	11.936	105	342861	2.575	ppbv#	90
68)	1,2,4-Trimethylbenzene	12.187	105	352608	2.594	ppbv	94
70)	Benzyl chloride	12.286	91	223510	2.384	ppbv	97
71)	1,3-Dichlorobenzene	12.301	146	218996	2.517	ppbv#	92
72)	1,4-Dichlorobenzene	12.346	146	205826	2.529	ppbv	100
73)	sec-Butylbenzene	12.354	105	534814	2.645	ppbv#	89
74)	4-Isopropyltoluene	12.445	119	487476	2.624	ppbv	100
75)	1,2-Dichlorobenzene	12.559	146	194446	2.419	ppbv	94
76)	n-Butylbenzene	12.711	91	431941	2.593	ppbv	98
77)	1,2,4-Trichlorobenzene	13.706	180	115129	2.242	ppbv	97
78)	Naphthalene	13.797	128	234060	2.185	ppbv#	95
79)	Hexachlorobutadiene	14.040	225	148228	2.386	ppbv	98
81]	1,2-Dichlorotetrafluor...	3.902	85	192728	2.480	ppbv	94
82]	Vinyl Chloride(sim)	4.002	62	97417	2.334	ppbv	97
83]	Bromomethane(sim)	4.332	94	74985	2.340	ppbv#	86
84]	Trichlorofluoromethane...	5.040	101	216382	2.478	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.477	62	130354	2.366	ppbv#	12
86]	1,1,1-Trichloroethane(...	7.643	97	182784	2.385	ppbv#	99
87]	Benzene(sim)	7.928	78	251960	2.282	ppbv	95
88]	Carbon Tetrachloride(sim)	8.026	117	171432	2.483	ppbv	100
89]	1,1-Dichloroethene(sim)	5.481	61	157783	2.357	ppbv	99
90]	Trichlorotrifluoroetha...	5.734	101	170193	2.542	ppbv#	97
91]	Trans-1,2-Dichloroethe...	6.178	61	147660	2.448	ppbv	90
92]	1,1-Dichloroethane(sim)	6.311	63	187540	2.329	ppbv	97
93]	Cis-1,2-Dichloroethene...	6.834	61	144046	2.337	ppbv	91
94]	Chloroform(sim)	7.023	83	172875	2.424	ppbv	99
96]	1,2-dichloropropane(sim)	8.415	63	135484	2.435	ppbv#	77
97]	Bromodichloromethane(sim)	8.534	83	176677	2.412	ppbv	94
98]	Trichloroethene(sim)	8.554	130	116400	2.288	ppbv	96
99]	1,4-Dioxane(sim)	8.542	88	33411	2.007	ppbv#	64
100]	cis-1,3-Dichloropropen...	9.049	75	166680	2.421	ppbv	100
101]	1,1,2-Trichloroethane(...	9.455	97	108249	2.336	ppbv	98
102]	Dibromochloromethane(sim)	9.873	129	182234	2.508	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.018	107	172067	2.344	ppbv	96
104]	Tetrachloroethene(sim)	10.267	166	156187	2.348	ppbv	94
106]	Bromoform(sim)	11.006	173	162995	2.469	ppbv	99
107]	m,p-Xylene(sim)	10.935	91	618435	4.715	ppbv	94
108]	1,1,2,2-Tetrachloroeth...	11.196	83	224136	2.140	ppbv	98
109]	Benzyl chloride(sim)	12.286	91	223510	2.390	ppbv	97
110]	1,3-Dichlorobenzene(sim)	12.304	146	239305	2.171	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.346	146	205826	2.158	ppbv	92

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_21.D
Acq On : 4 Dec 2025 7:58 pm
Operator :
Client ID : ICAL 2.5
Lab ID : 2.5 ppb; TO1514Z
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 05 08:43:56 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

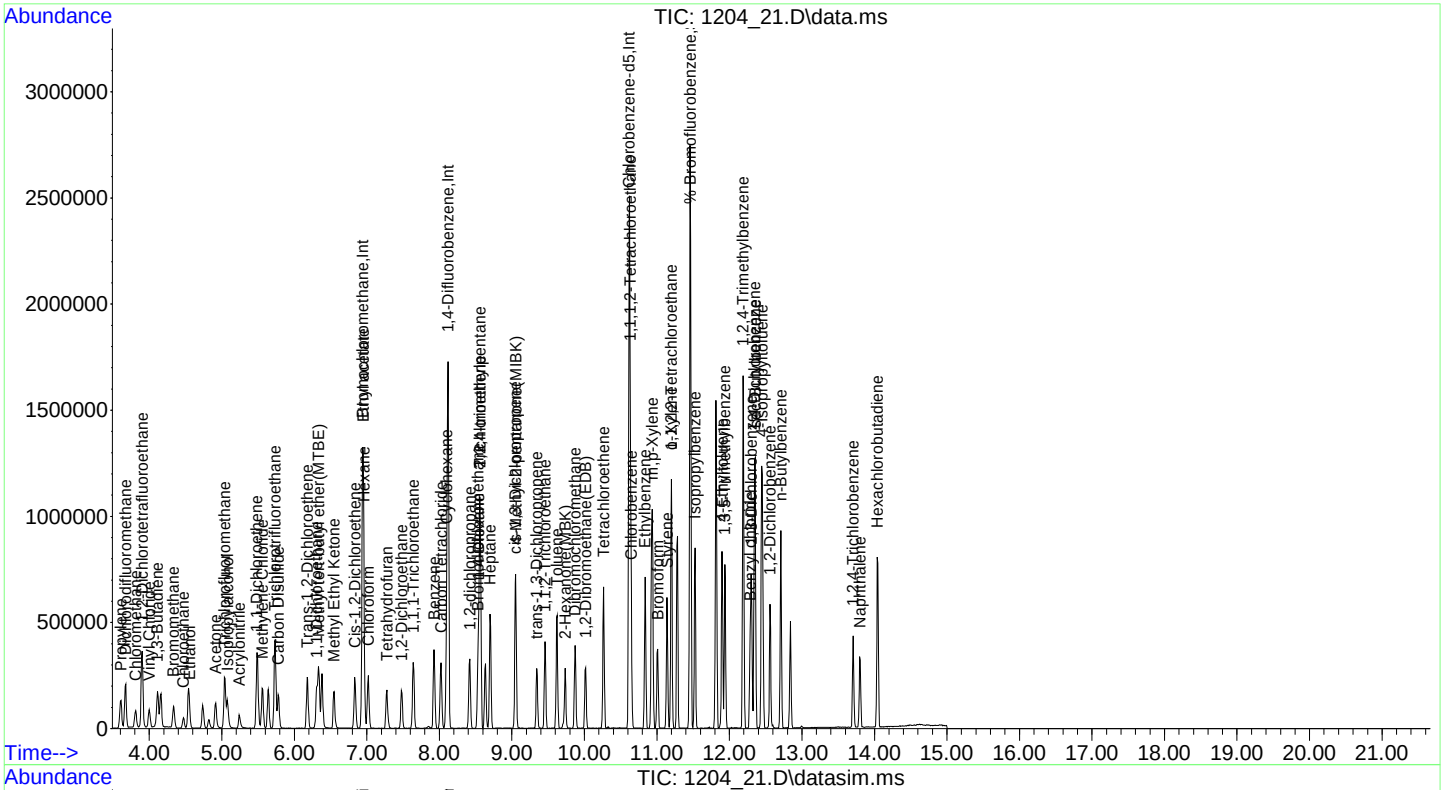
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.357	105	565747	2.330	ppbv	95
113] 4-Isopropyltoluene(sim)	12.445	119	487476	2.328	ppbv#	85
114] 1,2-Dichlorobenzene(sim)	12.562	146	210688	2.221	ppbv	98
115] n-Butylbenzene(sim)	12.711	91	431941	2.382	ppbv	98
116] 1,2,4-Trichlorobenzene...	13.709	180	123522	2.126	ppbv	100
118] Hexachlorobutadiene(sim)	14.043	225	157786	1.976	ppbv	99

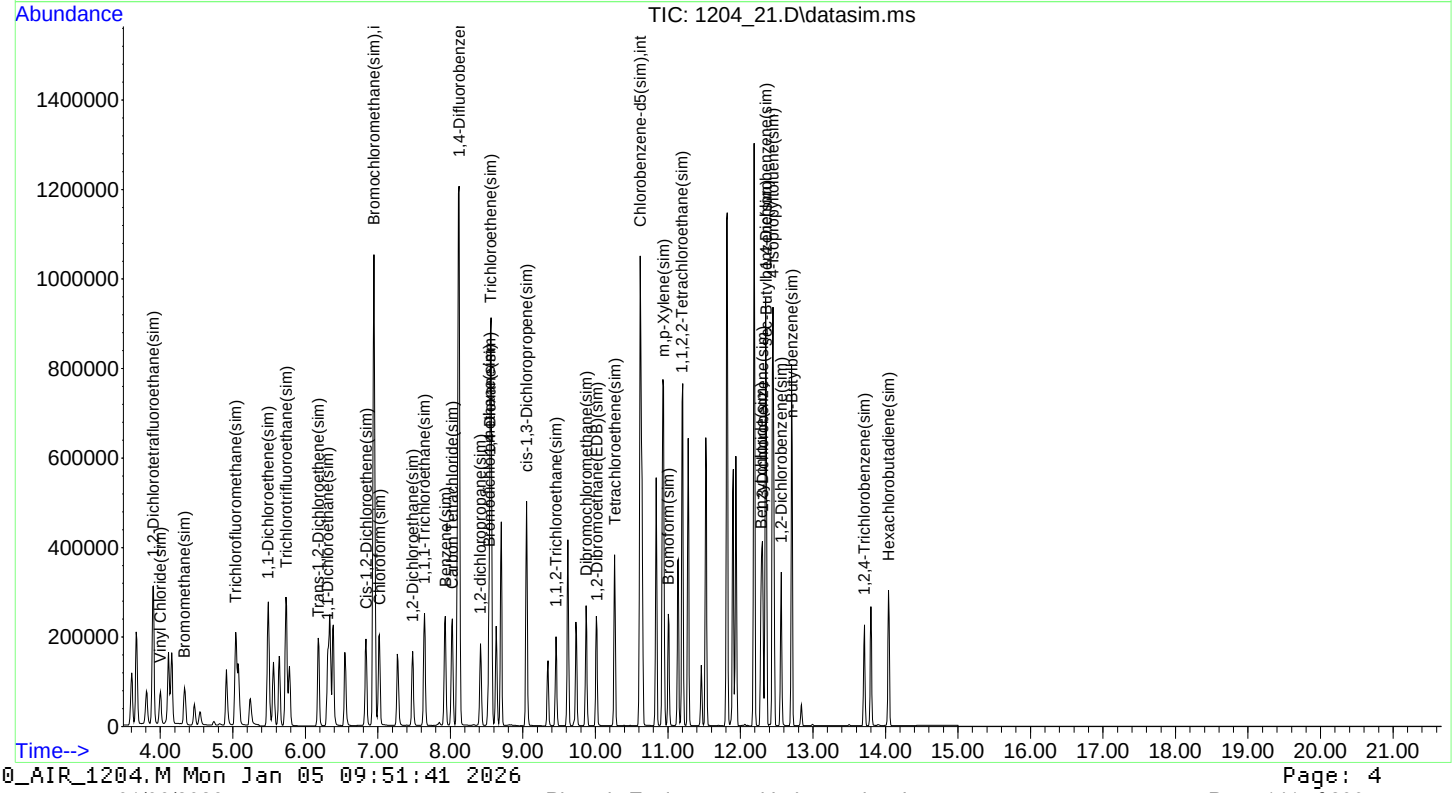
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_21.D
Acq On : 4 Dec 2025 7:58 pm
Operator :
Client ID : ICAL 2.5
Lab ID : 2.5 ppb; TO1514Z
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 05 08:43:56 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_22.D
Acq On : 4 Dec 2025 8:30 pm
Operator :
Client ID : ICAL 5
Lab ID : 5.0 ppb; TO1514Y
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 05 08:43:59 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	272425	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1038645	10.000	ng		0.00
53) Chlorobenzene-d5	10.616	82	585771	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	279402	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1038645	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.616	82	585771	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	781860	9.688	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.90%				
Target Compounds							Qvalue
2) Propylene	3.601	41	183775	5.356	ppbv		90
3) Dichlorodifluoromethane	3.666	85	423585	5.396	ppbv		99
4) Chloromethane	3.804	50	192320	5.208	ppbv		94
5) 1,2-Dichlorotetrafluor...	3.893	85	392557	5.318	ppbv		95
6) Vinyl Chloride	3.999	62	183248	5.268	ppbv		90
7) 1,3-Butadiene	4.112	54	159690	5.243	ppbv		94
8) Bromomethane	4.331	94	154003	5.407	ppbv#		85
9) Chloroethane	4.469	64	88828	5.460	ppbv		94
11) Ethanol	4.550	45	50505	4.564	ppbv#		43
12) Acetone	4.907	43	319174	5.149	ppbv#		77
13) Trichlorofluoromethane	5.037	101	429884	5.383	ppbv		97
14) Isopropylalcohol	5.078	45	355731	5.102	ppbv#		94
15) Acrylonitrile	5.240	53	117107	5.080	ppbv#		1
16) 1,1-Dichloroethene	5.481	61	325330	5.319	ppbv		98
17) Methylene Chloride	5.558	49	258245	5.095	ppbv		90
20) Carbon Disulfide	5.778	76	452972	5.316	ppbv		96
21) Trichlorotrifluoroethane	5.731	101	335059	5.369	ppbv		97
22) Trans-1,2-Dichloroethene	6.178	61	307535	5.271	ppbv		90
23) 1,1-Dichloroethane	6.308	63	354027	5.205	ppbv		92
24) Methyl tert-butyl ethe...	6.334	73	429313	5.168	ppbv#		86
25) Methyl Ethyl Ketone	6.543	43	438300	4.826	ppbv#		92
26) Cis-1,2-Dichloroethene	6.834	61	297269	5.223	ppbv		92
27) Hexane	6.958	57	330511	5.246	ppbv#		88
28) Chloroform	7.020	83	339463	5.196	ppbv		93
29) Ethyl acetate	6.942	61	70215	5.369	ppbv#		79
30) Tetrahydrofuran	7.268	42	243251	5.129	ppbv#		85
31) 1,2-Dichloroethane	7.477	62	265268	5.229	ppbv#		87
32) 1,1,1-Trichloroethane	7.640	97	356841	5.258	ppbv		97
33) Benzene	7.928	78	521629	5.210	ppbv		95
34) Carbon Tetrachloride	8.023	117	353211	5.315	ppbv		99
35) Cyclohexane	8.101	84	196378	5.190	ppbv		92
37) 1,2-dichloropropane	8.421	63	260532	5.285	ppbv#		76
38) Bromodichloromethane	8.533	83	376974	5.347	ppbv		97
39) Trichloroethene	8.559	130	228681	5.279	ppbv		86
40) 2,2,4-trimethylpentane	8.559	57	1086001	5.270	ppbv		97
41) 1,4-Dioxane	8.542	88	83939	5.182	ppbv#		76
43) Heptane	8.698	43	451894	5.226	ppbv#		88
44) cis-1,3-Dichloropropene	9.046	75	317327	5.270	ppbv		99
45) 4-Methyl-2-pentanone(M...	9.053	43	514456	4.999	ppbv#		95
46) trans-1,3-Dichloropropene	9.342	75	259072	5.306	ppbv		99
47) 1,1,2-Trichloroethane	9.454	97	222182	5.262	ppbv		99
48) Toluene	9.623	91	658947	5.236	ppbv		99

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_22.D
Acq On : 4 Dec 2025 8:30 pm
Operator :
Client ID : ICAL 5
Lab ID : 5.0 ppb; TO1514Y
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 05 08:43:59 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	9.870	129	385488	5.346	ppbv	98
50)	2-Hexanone(MBK)	9.736	43	446786	5.151	ppbv#	36
51)	1,2-Dibromoethane(EDB)	10.018	107	358031	5.268	ppbv	96
52)	Tetrachloroethene	10.264	166	313034	5.312	ppbv	97
54)	1,1,1,2-Tetrachloroethane	10.632	131	261452	5.490	ppbv#	92
55)	Chlorobenzene	10.647	112	470544	5.318	ppbv	90
56)	Ethylbenzene	10.836	91	833321	5.357	ppbv	82
57)	m,p-Xylene	10.935	91	1265863	10.940	ppbv	100
58)	Bromoform	11.011	173	361896	5.595	ppbv	98
59)	Styrene	11.140	104	470115	5.345	ppbv#	55
60)	1,1,2,2-Tetrachloroethane	11.200	83	455755	5.299	ppbv	96
61)	o-Xylene	11.200	91	635900	5.236	ppbv	91
64)	Isopropylbenzene	11.526	105	905850	5.326	ppbv#	93
66)	4-Ethyltoluene	11.898	105	896288	5.350	ppbv#	89
67)	1,3,5-Trimethylbenzene	11.936	105	711251	5.266	ppbv#	91
68)	1,2,4-Trimethylbenzene	12.187	105	736792	5.345	ppbv	94
70)	Benzyl chloride	12.285	91	524181	5.512	ppbv	96
71)	1,3-Dichlorobenzene	12.301	146	466464	5.285	ppbv#	92
72)	1,4-Dichlorobenzene	12.346	146	439100	5.318	ppbv	100
73)	sec-Butylbenzene	12.354	105	1084913	5.290	ppbv#	90
74)	4-Isopropyltoluene	12.445	119	999977	5.308	ppbv	100
75)	1,2-Dichlorobenzene	12.559	146	433846	5.321	ppbv	93
76)	n-Butylbenzene	12.711	91	904808	5.354	ppbv	99
77)	1,2,4-Trichlorobenzene	13.706	180	268340	5.152	ppbv	97
78)	Naphthalene	13.797	128	516120	4.750	ppbv#	95
79)	Hexachlorobutadiene	14.040	225	321550	5.103	ppbv	97
81]	1,2-Dichlorotetrafluor...	3.893	85	392557	5.105	ppbv	95
82]	Vinyl Chloride(sim)	4.002	62	199211	4.822	ppbv	98
83]	Bromomethane(sim)	4.331	94	154003	4.856	ppbv#	86
84]	Trichlorofluoromethane...	5.040	101	447284	5.176	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.477	62	265268	4.864	ppbv#	11
86]	1,1,1-Trichloroethane(...	7.642	97	379961	5.008	ppbv#	99
87]	Benzene(sim)	7.928	78	521629	4.773	ppbv	95
88]	Carbon Tetrachloride(sim)	8.026	117	361885	5.296	ppbv	100
89]	1,1-Dichloroethene(sim)	5.481	61	325330	4.910	ppbv	98
90]	Trichlorotrifluoroetha...	5.734	101	345915	5.220	ppbv#	97
91]	Trans-1,2-Dichloroethe...	6.178	61	307535	5.152	ppbv	90
92]	1,1-Dichloroethane(sim)	6.311	63	383999	4.818	ppbv	97
93]	Cis-1,2-Dichloroethene...	6.834	61	297269	4.872	ppbv	92
94]	Chloroform(sim)	7.022	83	356778	5.054	ppbv	99
96]	1,2-dichloropropane(sim)	8.415	63	281505	5.096	ppbv#	77
97]	Bromodichloromethane(sim)	8.533	83	376974	5.184	ppbv	96
98]	Trichloroethene(sim)	8.554	130	238051	4.714	ppbv	96
99]	1,4-Dioxane(sim)	8.542	88	83939	5.080	ppbv#	76
100]	cis-1,3-Dichloropropen...	9.049	75	342637	5.014	ppbv	99
101]	1,1,2-Trichloroethane(...	9.454	97	222182	4.831	ppbv	99
102]	Dibromochloromethane(sim)	9.873	129	391765	5.431	ppbv	100
103]	1,2-Dibromoethane(EDB)...	10.018	107	358031	4.914	ppbv	96
104]	Tetrachloroethene(sim)	10.267	166	322102	4.879	ppbv	93
106]	Bromoform(sim)	11.006	173	363949	5.436	ppbv	99
107]	m,p-Xylene(sim)	10.935	91	1265863	9.516	ppbv	95
108]	1,1,2,2-Tetrachloroeth...	11.196	83	467794	4.404	ppbv	98
109]	Benzyl chloride(sim)	12.285	91	524181	5.526	ppbv	96
110]	1,3-Dichlorobenzene(sim)	12.304	146	510784	4.569	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.346	146	439100	4.540	ppbv	92

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_22.D
Acq On : 4 Dec 2025 8:30 pm
Operator :
Client ID : ICAL 5
Lab ID : 5.0 ppb; TO1514Y
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 05 08:43:59 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

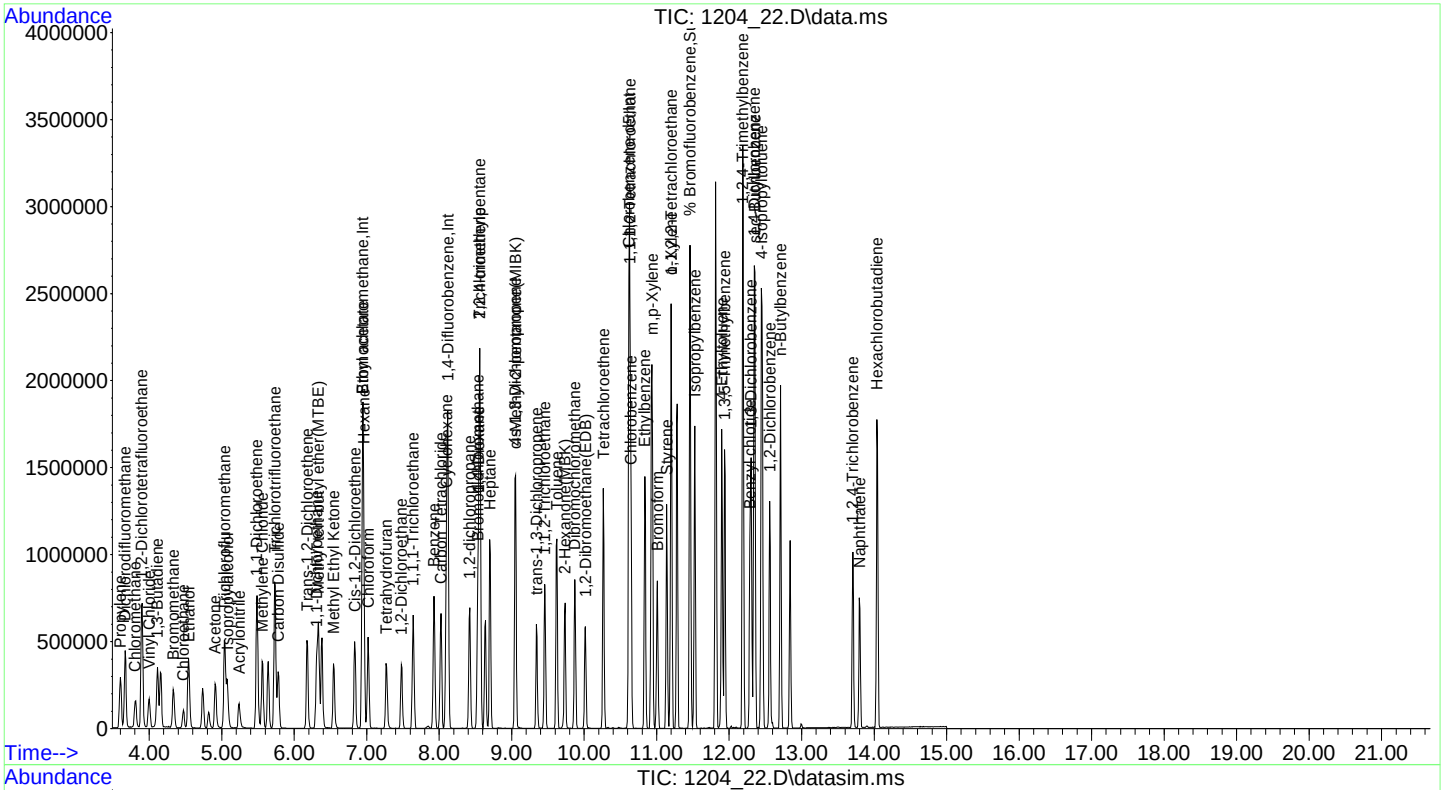
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.349	105	1137948	4.621	ppbv	95
113] 4-Isopropyltoluene(sim)	12.445	119	999977	4.709	ppbv#	85
114] 1,2-Dichlorobenzene(sim)	12.562	146	465208	4.835	ppbv	98
115] n-Butylbenzene(sim)	12.711	91	904808	4.919	ppbv	99
116] 1,2,4-Trichlorobenzene...	13.709	180	288437	4.895	ppbv	100
118] Hexachlorobutadiene(sim)	14.043	225	340381	4.202	ppbv	99

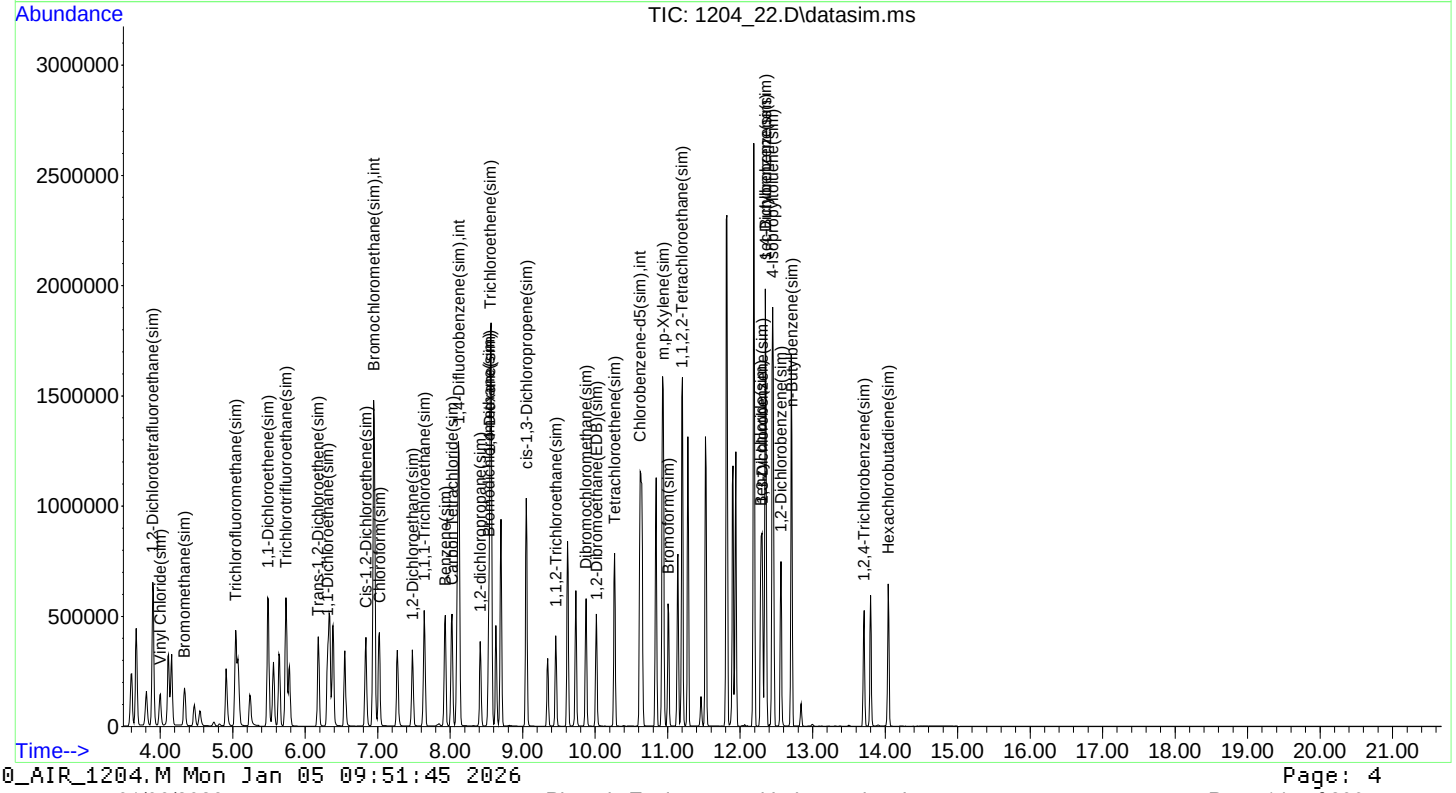
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_22.D
Acq On : 4 Dec 2025 8:30 pm
Operator :
Client ID : ICAL 5
Lab ID : 5.0 ppb; TO1514Y
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 05 08:43:59 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
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Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_23.D
Acq On : 4 Dec 2025 9:04 pm
Operator :
Client ID : ICAL 25
Lab ID : 25 ppb; TO1514Y
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 05 08:44:02 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	254474	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	984506	10.000	ng		0.00
53) Chlorobenzene-d5	10.624	82	635253	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	261241	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	984506	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.624	82	635253	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	793420	9.065	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.70%				
Target Compounds							Qvalue
2) Propylene	3.610	41	782829	24.427	ppbv		90
3) Dichlorodifluoromethane	3.675	85	1749109	23.854	ppbv		99
4) Chloromethane	3.812	50	805579	23.355	ppbv		95
5) 1,2-Dichlorotetrafluor...	3.902	85	1624577	23.560	ppbv		95
6) Vinyl Chloride	4.007	62	783704	24.119	ppbv		90
7) 1,3-Butadiene	4.121	54	671123	23.589	ppbv		94
8) Bromomethane	4.340	94	603475	22.684	ppbv#		86
9) Chloroethane	4.478	64	384996	25.335	ppbv		94
11) Ethanol	4.559	45	227657	22.023	ppbv#		39
12) Acetone	4.908	43	1367632	23.619	ppbv#		76
13) Trichlorofluoromethane	5.045	101	1819634	24.391	ppbv		96
14) Isopropylalcohol	5.078	45	1495620	22.962	ppbv#		94
15) Acrylonitrile	5.240	53	537457	24.960	ppbv#		1
16) 1,1-Dichloroethene	5.487	61	1367252	23.932	ppbv		99
17) Methylene Chloride	5.564	49	1072512	22.653	ppbv		92
20) Carbon Disulfide	5.785	76	1929226	24.238	ppbv		97
21) Trichlorotrifluoroethane	5.737	101	1420637	24.369	ppbv		97
22) Trans-1,2-Dichloroethene	6.178	61	1320186	24.223	ppbv		91
23) 1,1-Dichloroethane	6.313	63	1522479	23.961	ppbv		93
24) Methyl tert-butyl ethe...	6.334	73	1792612	23.102	ppbv#		87
25) Methyl Ethyl Ketone	6.543	43	2107240	24.838	ppbv#		93
26) Cis-1,2-Dichloroethene	6.834	61	1315296	24.738	ppbv		91
27) Hexane	6.958	57	1394120	23.688	ppbv#		87
28) Chloroform	7.020	83	1496763	24.528	ppbv		93
29) Ethyl acetate	6.942	61	308622	25.262	ppbv#		79
30) Tetrahydrofuran	7.268	42	1071843	24.194	ppbv#		85
31) 1,2-Dichloroethane	7.485	62	1172125	24.736	ppbv#		86
32) 1,1,1-Trichloroethane	7.640	97	1584837	24.998	ppbv		97
33) Benzene	7.928	78	2286240	24.445	ppbv		95
34) Carbon Tetrachloride	8.023	117	1603668	25.832	ppbv		99
35) Cyclohexane	8.101	84	844208	23.887	ppbv#		91
37) 1,2-dichloropropane	8.421	63	1159143	24.808	ppbv#		76
38) Bromodichloromethane	8.534	83	1688839	25.272	ppbv		96
39) Trichloroethene	8.560	130	943162	22.971	ppbv		87
40) 2,2,4-trimethylpentane	8.568	57	4444333	22.753	ppbv		96
41) 1,4-Dioxane	8.542	88	369252	24.051	ppbv#		77
43) Heptane	8.707	43	1911339	23.318	ppbv#		88
44) cis-1,3-Dichloropropene	9.053	75	1395205	24.443	ppbv		98
45) 4-Methyl-2-pentanone(M...	9.053	43	2218181	22.737	ppbv#		95
46) trans-1,3-Dichloropropene	9.342	75	1186518	25.636	ppbv		99
47) 1,1,2-Trichloroethane	9.462	97	983697	24.580	ppbv		98
48) Toluene	9.624	91	2825754	23.688	ppbv		98

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_23.D
Acq On : 4 Dec 2025 9:04 pm
Operator :
Client ID : ICAL 25
Lab ID : 25 ppb; TO1514Y
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 05 08:44:02 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	9.877	129	1777917	26.014	ppbv	98
50)	2-Hexanone(MBK)	9.736	43	1978271	24.060	ppbv#	35
51)	1,2-Dibromoethane(EDB)	10.018	107	1591290	24.699	ppbv	96
52)	Tetrachloroethene	10.264	166	1342225	24.027	ppbv	97
54)	1,1,1,2-Tetrachloroethane	10.632	131	1202134	23.277	ppbv#	92
55)	Chlorobenzene	10.647	112	2060055	21.467	ppbv	89
56)	Ethylbenzene	10.836	91	3605343	21.373	ppbv	82
57)	m,p-Xylene	10.935	91	5331991	42.492	ppbv	100
58)	Bromoform	11.011	173	1727832	24.633	ppbv	97
59)	Styrene	11.140	104	2054679	21.543	ppbv#	53
60)	1,1,2,2-Tetrachloroethane	11.200	83	1984657	21.278	ppbv	97
61)	o-Xylene	11.200	91	2714157	20.607	ppbv	92
64)	Isopropylbenzene	11.526	105	3910493	21.203	ppbv#	93
66)	4-Ethyltoluene	11.898	105	3812638	20.986	ppbv#	90
67)	1,3,5-Trimethylbenzene	11.944	105	3067348	20.942	ppbv#	90
68)	1,2,4-Trimethylbenzene	12.195	105	3086737	20.647	ppbv	95
70)	Benzyl chloride	12.286	91	2513841	24.374	ppbv	96
71)	1,3-Dichlorobenzene	12.308	146	1979191	20.677	ppbv	93
72)	1,4-Dichlorobenzene	12.346	146	1901289	21.234	ppbv	100
73)	sec-Butylbenzene	12.354	105	4466883	20.082	ppbv#	91
74)	4-Isopropyltoluene	12.445	119	4176055	20.440	ppbv	100
75)	1,2-Dichlorobenzene	12.559	146	1932053	21.851	ppbv	94
76)	n-Butylbenzene	12.711	91	3937064	21.484	ppbv	97
77)	1,2,4-Trichlorobenzene	13.706	180	1392614	24.655	ppbv	98
78)	Naphthalene	13.797	128	2675552	22.704	ppbv#	95
79)	Hexachlorobutadiene	14.048	225	1432484	20.964	ppbv	98
81]	1,2-Dichlorotetrafluor...	3.902	85	1624299	22.590	ppbv	95
82]	Vinyl Chloride(sim)	4.002	62	846446	21.911	ppbv	98
83]	Bromomethane(sim)	4.340	94	603475	20.350	ppbv#	87
84]	Trichlorofluoromethane...	5.048	101	1867593	23.115	ppbv#	98
85]	1,2-Dichloroethane(sim)	7.485	62	1172125	22.984	ppbv#	10
86]	1,1,1-Trichloroethane(...	7.643	97	1663428	23.450	ppbv#	99
87]	Benzene(sim)	7.928	78	2286227	22.375	ppbv	95
88]	Carbon Tetrachloride(sim)	8.026	117	1617566	25.318	ppbv	99
89]	1,1-Dichloroethene(sim)	5.487	61	1367252	22.071	ppbv	98
90]	Trichlorotrifluoroetha...	5.734	101	1431825	23.109	ppbv#	98
91]	Trans-1,2-Dichloroethe...	6.178	61	1320186	23.653	ppbv	91
92]	1,1-Dichloroethane(sim)	6.311	63	1618728	21.723	ppbv	98
93]	Cis-1,2-Dichloroethene...	6.834	61	1315296	23.056	ppbv	91
94]	Chloroform(sim)	7.023	83	1543308	23.384	ppbv	98
96]	1,2-dichloropropane(sim)	8.415	63	1252950	23.931	ppbv#	77
97]	Bromodichloromethane(sim)	8.534	83	1688839	24.504	ppbv	95
98]	Trichloroethene(sim)	8.562	130	973444	20.337	ppbv	97
99]	1,4-Dioxane(sim)	8.542	88	369252	23.574	ppbv#	77
100]	cis-1,3-Dichloropropen...	9.049	75	1507085	23.267	ppbv	99
101]	1,1,2-Trichloroethane(...	9.462	97	983697	22.563	ppbv	98
102]	Dibromochloromethane(sim)	9.873	129	1809469	26.466	ppbv	100
103]	1,2-Dibromoethane(EDB)...	10.018	107	1591290	23.042	ppbv	95
104]	Tetrachloroethene(sim)	10.267	166	1361985	21.766	ppbv	94
106]	Bromoform(sim)	11.014	173	1711641	23.574	ppbv	98
107]	m,p-Xylene(sim)	10.935	91	5337664	37.000	ppbv	95
108]	1,1,2,2-Tetrachloroeth...	11.196	83	1969589	17.099	ppbv	98
109]	Benzyl chloride(sim)	12.286	91	2513841	24.436	ppbv	96
110]	1,3-Dichlorobenzene(sim)	12.304	146	2140073	17.652	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.346	146	1901289	18.127	ppbv	93

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_23.D
Acq On : 4 Dec 2025 9:04 pm
Operator :
Client ID : ICAL 25
Lab ID : 25 ppb; TO1514Y
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 05 08:44:02 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

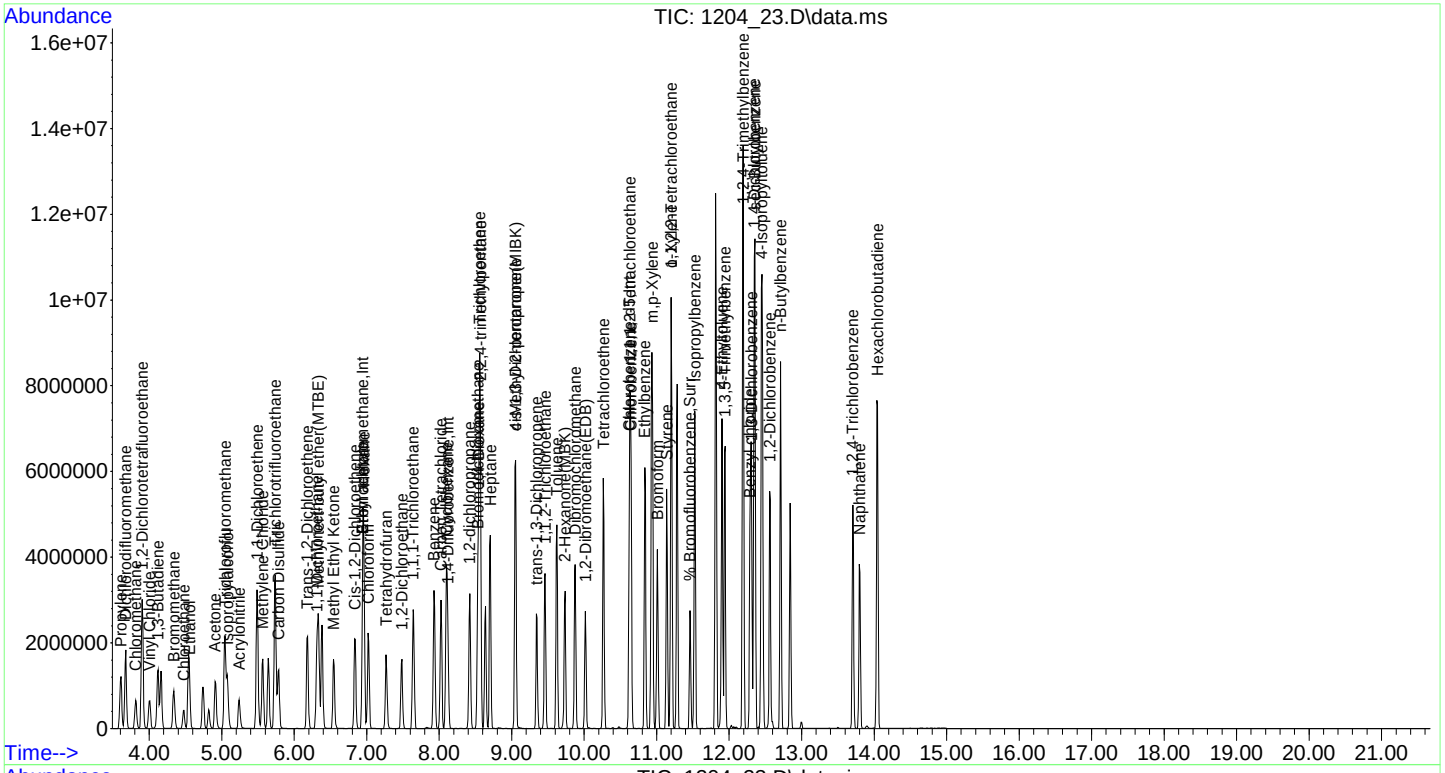
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.357	105	4560470	17.076	ppbv	95
113] 4-Isopropyltoluene(sim)	12.445	119	4176055	18.133	ppbv#	86
114] 1,2-Dichlorobenzene(sim)	12.562	146	2049534	19.643	ppbv	98
115] n-Butylbenzene(sim)	12.711	91	3937064	19.736	ppbv	97
116] 1,2,4-Trichlorobenzene...	13.709	180	1462286	22.881	ppbv	99
118] Hexachlorobutadiene(sim)	14.043	225	1465769	16.687	ppbv	98

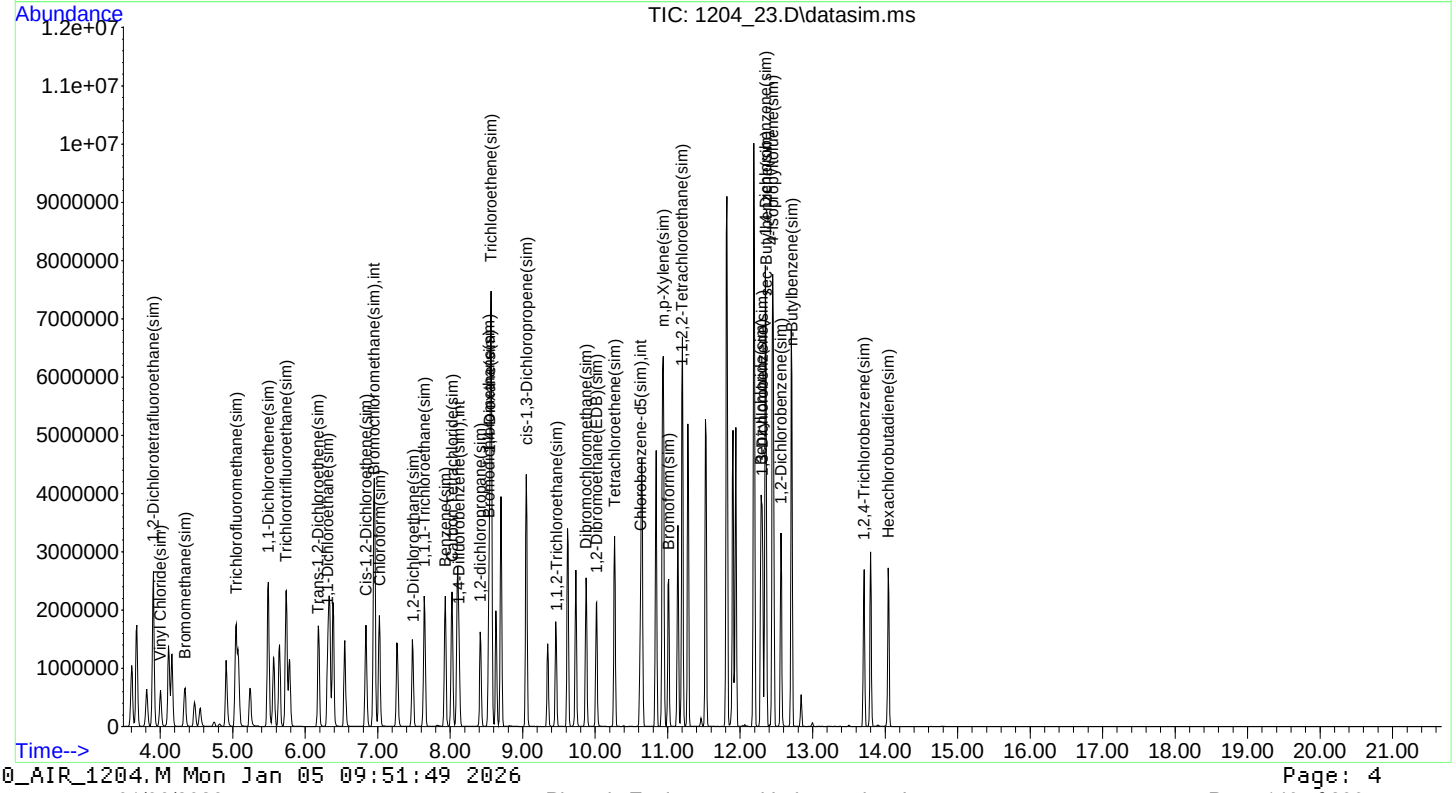
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Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_23.D
Acq On : 4 Dec 2025 9:04 pm
Operator :
Client ID : ICAL 25
Lab ID : 25 ppb; TO1514Y
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 05 08:44:02 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_24.D
Acq On : 4 Dec 2025 9:41 pm
Operator :
Client ID : ICAL 40
Lab ID : 40ppb; TO1514Y
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 05 08:44:05 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	251925	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	991659	10.000	ng		0.00
53) Chlorobenzene-d5	10.624	82	680977	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	261093	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	991659	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.624	82	680977	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	819162	8.731	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.30%				
Target Compounds							Qvalue
2) Propylene	3.601	41	1199406	37.804	ppbv		90
3) Dichlorodifluoromethane	3.674	85	2648942	36.492	ppbv		99
4) Chloromethane	3.812	50	1243194	36.407	ppbv		95
5) 1,2-Dichlorotetrafluor...	3.902	85	2502500	36.659	ppbv		94
6) Vinyl Chloride	3.999	62	1224241	38.058	ppbv		91
7) 1,3-Butadiene	4.121	54	1035358	36.760	ppbv		94
8) Bromomethane	4.340	94	951878	36.142	ppbv#		87
9) Chloroethane	4.469	64	587282	39.037	ppbv		94
11) Ethanol	4.559	45	368555	36.015	ppbv#		40
12) Acetone	4.907	43	2154202	37.580	ppbv#		76
13) Trichlorofluoromethane	5.045	101	2856539	38.678	ppbv		97
14) Isopropylalcohol	5.078	45	2343525	36.344	ppbv#		94
15) Acrylonitrile	5.240	53	843566	39.573	ppbv#		1
16) 1,1-Dichloroethene	5.487	61	2133237	37.718	ppbv		99
17) Methylene Chloride	5.564	49	1678743	35.815	ppbv		92
20) Carbon Disulfide	5.778	76	3043723	38.626	ppbv		96
21) Trichlorotrifluoroethane	5.737	101	2232810	38.688	ppbv		97
22) Trans-1,2-Dichloroethene	6.183	61	2073602	38.431	ppbv		91
23) 1,1-Dichloroethane	6.313	63	2384537	37.908	ppbv		93
24) Methyl tert-butyl ethe...	6.334	73	2812523	36.612	ppbv#		87
25) Methyl Ethyl Ketone	6.543	43	3287114	39.137	ppbv#		92
26) Cis-1,2-Dichloroethene	6.834	61	2065539	39.241	ppbv		92
27) Hexane	6.958	57	2176633	37.359	ppbv#		86
28) Chloroform	7.020	83	2349966	38.900	ppbv		93
29) Ethyl acetate	6.950	61	484382	40.050	ppbv#		79
30) Tetrahydrofuran	7.268	42	1679632	38.298	ppbv#		85
31) 1,2-Dichloroethane	7.485	62	1859801	39.646	ppbv#		87
32) 1,1,1-Trichloroethane	7.640	97	2509971	39.991	ppbv		97
33) Benzene	7.928	78	3583949	38.708	ppbv		95
34) Carbon Tetrachloride	8.023	117	2561904	41.685	ppbv		99
35) Cyclohexane	8.101	84	1335356	38.166	ppbv#		93
37) 1,2-dichloropropane	8.421	63	1824313	38.763	ppbv#		76
38) Bromodichloromethane	8.533	83	2670902	39.679	ppbv		95
39) Trichloroethene	8.559	130	1448632	35.027	ppbv		87
40) 2,2,4-trimethylpentane	8.568	57	6767834	34.399	ppbv		96
41) 1,4-Dioxane	8.542	88	585726	37.875	ppbv#		79
43) Heptane	8.707	43	2960674	35.860	ppbv#		88
44) cis-1,3-Dichloropropene	9.053	75	2202426	38.306	ppbv		98
45) 4-Methyl-2-pentanone(M...	9.053	43	3381870	34.416	ppbv#		95
46) trans-1,3-Dichloropropene	9.349	75	1908625	40.940	ppbv		99
47) 1,1,2-Trichloroethane	9.462	97	1545700	38.344	ppbv		97
48) Toluene	9.623	91	4378648	36.441	ppbv		98

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_24.D
Acq On : 4 Dec 2025 9:41 pm
Operator :
Client ID : ICAL 40
Lab ID : 40ppb; TO1514Y
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 05 08:44:05 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	9.877	129	2823333	41.012	ppbv	98
50)	2-Hexanone(MBK)	9.736	43	3115983	37.624	ppbv#	35
51)	1,2-Dibromoethane(EDB)	10.018	107	2502060	38.556	ppbv	96
52)	Tetrachloroethene	10.264	166	2075788	36.890	ppbv	98
54)	1,1,1,2-Tetrachloroethane	10.632	131	1888194	34.107	ppbv#	92
55)	Chlorobenzene	10.647	112	3208633	31.191	ppbv	89
56)	Ethylbenzene	10.836	91	5531416	30.589	ppbv	83
57)	m,p-Xylene	10.935	91	8118898	60.358	ppbv	100
58)	Bromoform	11.011	173	2733195	36.350	ppbv	97
59)	Styrene	11.140	104	3242385	31.713	ppbv#	54
60)	1,1,2,2-Tetrachloroethane	11.200	83	3060366	30.608	ppbv	97
61)	o-Xylene	11.208	91	4151012	29.400	ppbv	92
64)	Isopropylbenzene	11.526	105	5990298	30.299	ppbv#	93
66)	4-Ethyltoluene	11.898	105	5773274	29.644	ppbv	90
67)	1,3,5-Trimethylbenzene	11.944	105	4734402	30.154	ppbv#	90
68)	1,2,4-Trimethylbenzene	12.194	105	4608391	28.755	ppbv	95
70)	Benzyl chloride	12.293	91	3954260	35.766	ppbv	96
71)	1,3-Dichlorobenzene	12.308	146	3239576	31.572	ppbv#	92
72)	1,4-Dichlorobenzene	12.346	146	2673902	27.858	ppbv	100
73)	sec-Butylbenzene	12.354	105	6639799	27.847	ppbv#	92
74)	4-Isopropyltoluene	12.445	119	6245646	28.517	ppbv	100
75)	1,2-Dichlorobenzene	12.566	146	3003675	31.689	ppbv	94
76)	n-Butylbenzene	12.711	91	5936828	30.221	ppbv	96
77)	1,2,4-Trichlorobenzene	13.706	180	2234391	36.902	ppbv	98
78)	Naphthalene	13.804	128	4308733	34.107	ppbv#	95
79)	Hexachlorobutadiene	14.047	225	2211434	30.191	ppbv	98
81]	1,2-Dichlorotetrafluor...	3.902	85	2501304	34.806	ppbv	94
82]	Vinyl Chloride(sim)	4.002	62	1317979	34.137	ppbv	98
83]	Bromomethane(sim)	4.340	94	951878	32.117	ppbv#	87
84]	Trichlorofluoromethane...	5.040	101	2902669	35.946	ppbv#	97
85]	1,2-Dichloroethane(sim)	7.485	62	1859801	36.490	ppbv#	11
86]	1,1,1-Trichloroethane(...	7.642	97	2628707	37.079	ppbv#	98
87]	Benzene(sim)	7.928	78	3583915	35.095	ppbv	95
88]	Carbon Tetrachloride(sim)	8.026	117	2554300	40.003	ppbv	98
89]	1,1-Dichloroethene(sim)	5.487	61	2133237	34.455	ppbv	98
90]	Trichlorotrifluoroetha...	5.734	101	2223534	35.907	ppbv#	98
91]	Trans-1,2-Dichloroethe...	6.183	61	2073602	37.172	ppbv	91
92]	1,1-Dichloroethane(sim)	6.311	63	2523108	33.879	ppbv	98
93]	Cis-1,2-Dichloroethene...	6.834	61	2065539	36.228	ppbv	92
94]	Chloroform(sim)	7.023	83	2430270	36.843	ppbv	98
96]	1,2-dichloropropane(sim)	8.415	63	1975847	37.466	ppbv#	76
97]	Bromodichloromethane(sim)	8.533	83	2670902	38.473	ppbv	95
98]	Trichloroethene(sim)	8.562	130	1480543	30.708	ppbv	98
99]	1,4-Dioxane(sim)	8.542	88	585726	37.125	ppbv#	79
100]	cis-1,3-Dichloropropen...	9.049	75	2363074	36.218	ppbv	99
101]	1,1,2-Trichloroethane(...	9.462	97	1545700	35.198	ppbv	97
102]	Dibromochloromethane(sim)	9.873	129	2847180	41.344	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.018	107	2502060	35.969	ppbv	96
104]	Tetrachloroethene(sim)	10.267	166	2090110	33.161	ppbv	94
106]	Bromoform(sim)	11.014	173	2686018	34.511	ppbv	98
107]	m,p-Xylene(sim)	10.935	91	8126213	52.547	ppbv	94
108]	1,1,2,2-Tetrachloroeth...	11.203	83	3004637	24.334	ppbv	97
109]	Benzyl chloride(sim)	12.293	91	3954260	35.857	ppbv	96
110]	1,3-Dichlorobenzene(sim)	12.311	146	3223175	24.800	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.346	146	2674727	23.789	ppbv	95

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_24.D
Acq On : 4 Dec 2025 9:41 pm
Operator :
Client ID : ICAL 40
Lab ID : 40ppb; TO1514Y
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 05 08:44:05 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration

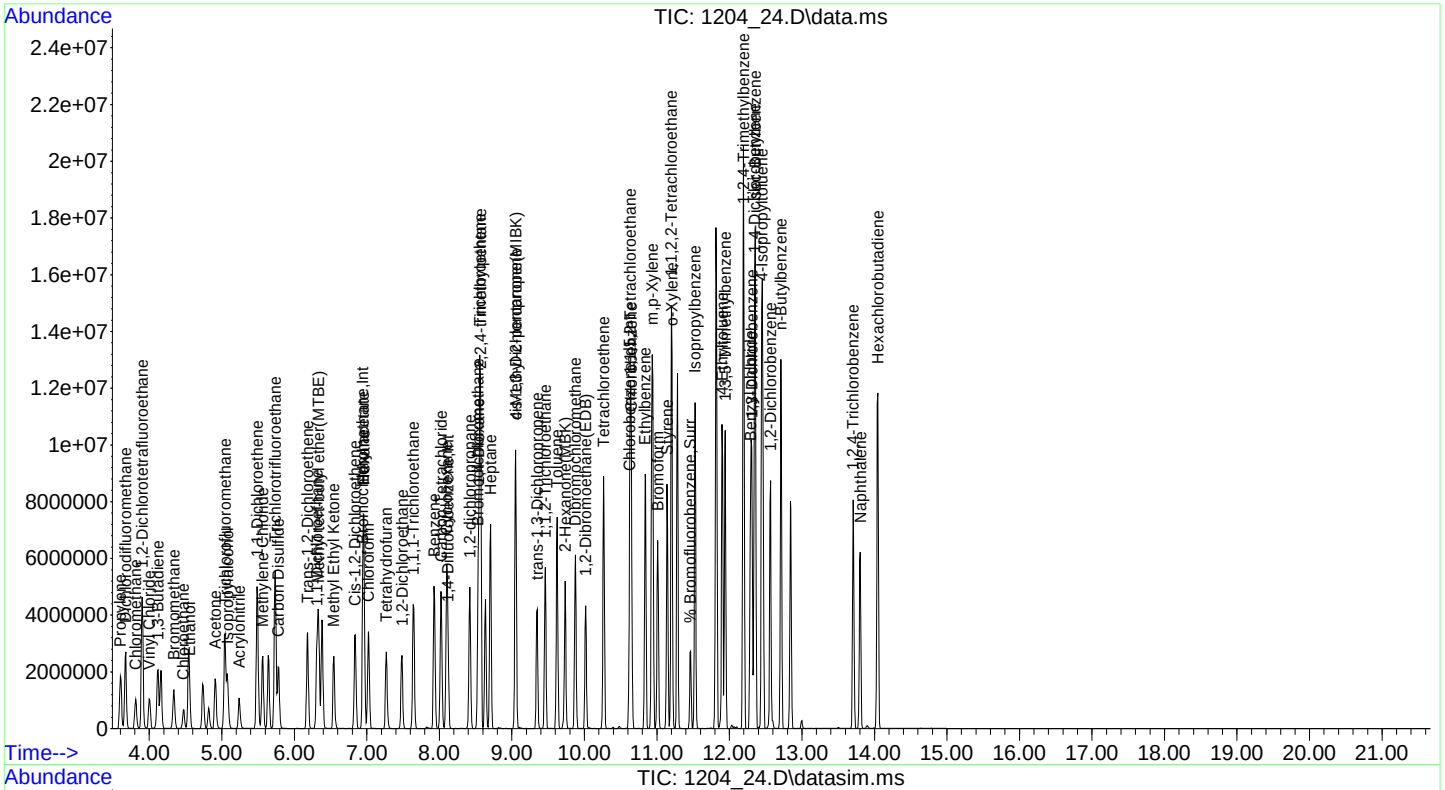
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.357	105	6615536	23.108	ppbv	95
113] 4-Isopropyltoluene(sim)	12.445	119	6245646	25.298	ppbv#	87
114] 1,2-Dichlorobenzene(sim)	12.562	146	3146670	28.134	ppbv	97
115] n-Butylbenzene(sim)	12.711	91	5939483	27.775	ppbv	96
116] 1,2,4-Trichlorobenzene...	13.709	180	2315332	33.796	ppbv	98
118] Hexachlorobutadiene(sim)	14.043	225	2219640	23.573	ppbv	98

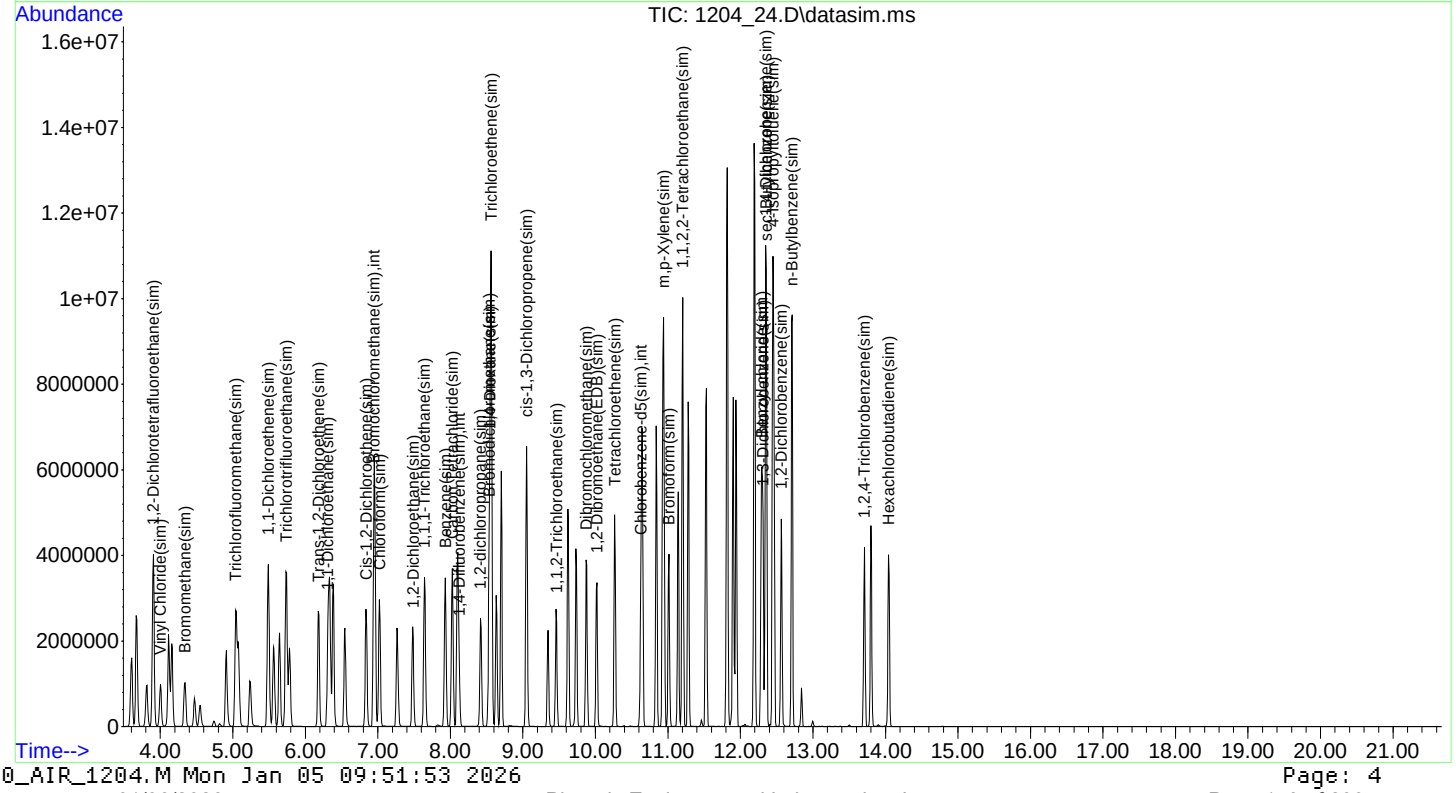
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

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Lab ID : 40ppb; TO1514Y
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 05 08:44:05 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:43:12 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_25.D
Acq On : 4 Dec 2025 10:13 pm
Operator :
Client ID : ICAL 1
Lab ID : 1ppb tune/cc; TO1514Z
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 05 08:55:34 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	297897	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1138574	10.000	ng		0.00
53) Chlorobenzene-d5	10.617	82	608542	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	306439	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1138574	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.617	82	608542	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	825102	10.319	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.20%				
Target Compounds							Qvalue
2) Propylene	3.610	41	37566	1.001	ppbv		91
3) Dichlorodifluoromethane	3.675	85	86890	1.012	ppbv		98
4) Chloromethane	3.812	50	39705	0.983	ppbv		94
5) 1,2-Dichlorotetrafluor...	3.902	85	82118	1.017	ppbv		92
6) Vinyl Chloride	3.999	62	38640	1.016	ppbv		90
7) 1,3-Butadiene	4.113	54	32460	0.975	ppbv		90
8) Bromomethane	4.340	94	32959	1.058	ppbv#		86
9) Chloroethane	4.469	64	18167	1.021	ppbv		95
11) Ethanol	4.559	45	11633	0.961	ppbv#		47
12) Acetone	4.916	43	68285	1.007	ppbv#		78
13) Trichlorofluoromethane	5.045	101	91246	1.045	ppbv		97
14) Isopropylalcohol	5.086	45	82603	1.083	ppbv#		95
15) Acrylonitrile	5.248	53	22669	0.899	ppbv#		1
16) 1,1-Dichloroethene	5.481	61	68867	1.030	ppbv		99
17) Methylene Chloride	5.558	49	56441	1.018	ppbv		90
20) Carbon Disulfide	5.779	76	97772	1.049	ppbv		97
21) Trichlorotrifluoroethane	5.737	101	72674	1.065	ppbv		96
22) Trans-1,2-Dichloroethene	6.178	61	63989	1.003	ppbv		91
23) 1,1-Dichloroethane	6.308	63	75986	1.022	ppbv		93
24) Methyl tert-butyl ethe...	6.339	73	93718	1.032	ppbv#		86
25) Methyl Ethyl Ketone	6.548	43	102777	1.035	ppbv#		92
26) Cis-1,2-Dichloroethene	6.834	61	61879	0.994	ppbv		92
27) Hexane	6.958	57	69677	1.011	ppbv#		88
28) Chloroform	7.020	83	71908	1.007	ppbv		92
29) Ethyl acetate	6.950	61	14652	1.025	ppbv#		75
30) Tetrahydrofuran	7.275	42	53213	1.026	ppbv#		84
31) 1,2-Dichloroethane	7.485	62	55241	0.996	ppbv#		87
32) 1,1,1-Trichloroethane	7.640	97	74946	1.010	ppbv		98
33) Benzene	7.928	78	111255	1.016	ppbv		96
34) Carbon Tetrachloride	8.023	117	72465	0.997	ppbv		97
35) Cyclohexane	8.101	84	40755	0.985	ppbv#		82
37) 1,2-dichloropropane	8.421	63	53847	0.997	ppbv#		77
38) Bromodichloromethane	8.534	83	79022	1.022	ppbv		97
39) Trichloroethene	8.560	130	50394	1.061	ppbv		87
40) 2,2,4-trimethylpentane	8.560	57	238624	1.056	ppbv		96
41) 1,4-Dioxane	8.551	88	17289	0.974	ppbv#		70
43) Heptane	8.698	43	95503	1.007	ppbv#		88
44) cis-1,3-Dichloropropene	9.046	75	67317	1.020	ppbv		99
45) 4-Methyl-2-pentanone(M...	9.053	43	116652	1.034	ppbv#		95
46) trans-1,3-Dichloropropene	9.342	75	53914	1.007	ppbv		98
47) 1,1,2-Trichloroethane	9.455	97	47414	1.024	ppbv		97
48) Toluene	9.624	91	140612	1.019	ppbv		98

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_25.D
Acq On : 4 Dec 2025 10:13 pm
Operator :
Client ID : ICAL 1
Lab ID : 1ppb tune/cc; TO1514Z
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 05 08:55:34 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	9.870	129	81579	1.032	ppbv	98
50)	2-Hexanone(MBK)	9.736	43	76881	0.809	ppbv#	37
51)	1,2-Dibromoethane(EDB)	10.018	107	76100	1.021	ppbv	96
52)	Tetrachloroethene	10.264	166	65366	1.012	ppbv	96
54)	1,1,1,2-Tetrachloroethane	10.632	131	54376	1.099	ppbv#	92
55)	Chlorobenzene	10.647	112	101453	1.104	ppbv	95
56)	Ethylbenzene	10.836	91	178349	1.104	ppbv	81
57)	m,p-Xylene	10.935	91	277318	2.307	ppbv	100
58)	Bromoform	11.011	173	75241	1.120	ppbv	98
59)	Styrene	11.140	104	101735	1.113	ppbv#	56
60)	1,1,2,2-Tetrachloroethane	11.200	83	100372	1.123	ppbv	97
61)	o-Xylene	11.200	91	140302	1.112	ppbv	93
64)	Isopropylbenzene	11.526	105	197363	1.117	ppbv#	93
66)	4-Ethyltoluene	11.898	105	191278	1.099	ppbv	90
67)	1,3,5-Trimethylbenzene	11.936	105	156786	1.117	ppbv#	91
68)	1,2,4-Trimethylbenzene	12.187	105	160338	1.120	ppbv	94
70)	Benzyl chloride	12.286	91	105129	1.064	ppbv	96
71)	1,3-Dichlorobenzene	12.301	146	102267	1.115	ppbv#	92
72)	1,4-Dichlorobenzene	12.346	146	98048	1.143	ppbv	100
73)	sec-Butylbenzene	12.354	105	242839	1.140	ppbv#	89
74)	4-Isopropyltoluene	12.445	119	220999	1.129	ppbv	100
75)	1,2-Dichlorobenzene	12.559	146	93473	1.104	ppbv	92
76)	n-Butylbenzene	12.711	91	196107	1.117	ppbv	98
77)	1,2,4-Trichlorobenzene	13.706	180	61553	1.138	ppbv	99
78)	Naphthalene	13.797	128	139220	1.233	ppbv#	95
79)	Hexachlorobutadiene	14.040	225	72326	1.105	ppbv	99
81]	1,2-Dichlorotetrafluor...	3.902	85	82118	0.974	ppbv	92
82]	Vinyl Chloride(sim)	4.002	62	41969	0.926	ppbv	98
83]	Bromomethane(sim)	4.340	94	32959	0.948	ppbv#	87
84]	Trichlorofluoromethane...	5.040	101	94737	1.000	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.485	62	55241	0.923	ppbv#	13
86]	1,1,1-Trichloroethane(...	7.643	97	80145	0.963	ppbv#	99
87]	Benzene(sim)	7.928	78	111255	0.928	ppbv	96
88]	Carbon Tetrachloride(sim)	8.026	117	76531	1.021	ppbv	100
89]	1,1-Dichloroethene(sim)	5.481	61	68867	0.948	ppbv	99
90]	Trichlorotrifluoroetha...	5.734	101	75586	1.040	ppbv#	97
91]	Trans-1,2-Dichloroethe...	6.178	61	63989	0.977	ppbv	91
92]	1,1-Dichloroethane(sim)	6.311	63	82360	0.942	ppbv	97
93]	Cis-1,2-Dichloroethene...	6.834	61	61879	0.925	ppbv	92
94]	Chloroform(sim)	7.023	83	75860	0.980	ppbv	99
96]	1,2-dichloropropane(sim)	8.415	63	58417	0.965	ppbv#	77
97]	Bromodichloromethane(sim)	8.534	83	79022	0.991	ppbv	96
98]	Trichloroethene(sim)	8.562	130	52163	0.942	ppbv	96
99]	1,4-Dioxane(sim)	8.551	88	17289	0.954	ppbv#	70
100]	cis-1,3-Dichloropropen...	9.049	75	74232	0.991	ppbv	100
101]	1,1,2-Trichloroethane(...	9.455	97	47414	0.940	ppbv	97
102]	Dibromochloromethane(sim)	9.873	129	83106	1.051	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.018	107	76100	0.953	ppbv	96
104]	Tetrachloroethene(sim)	10.267	166	68690	0.949	ppbv	92
106]	Bromoform(sim)	11.006	173	75911	1.091	ppbv	99
107]	m,p-Xylene(sim)	10.935	91	277318	2.007	ppbv	95
108]	1,1,2,2-Tetrachloroeth...	11.196	83	103392	0.937	ppbv	98
109]	Benzyl chloride(sim)	12.286	91	105129	1.067	ppbv	97
110]	1,3-Dichlorobenzene(sim)	12.304	146	111875	0.963	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.346	146	98048	0.976	ppbv	91

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_25.D
Acq On : 4 Dec 2025 10:13 pm
Operator :
Client ID : ICAL 1
Lab ID : 1ppb tune/cc; TO1514Z
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 05 08:55:34 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

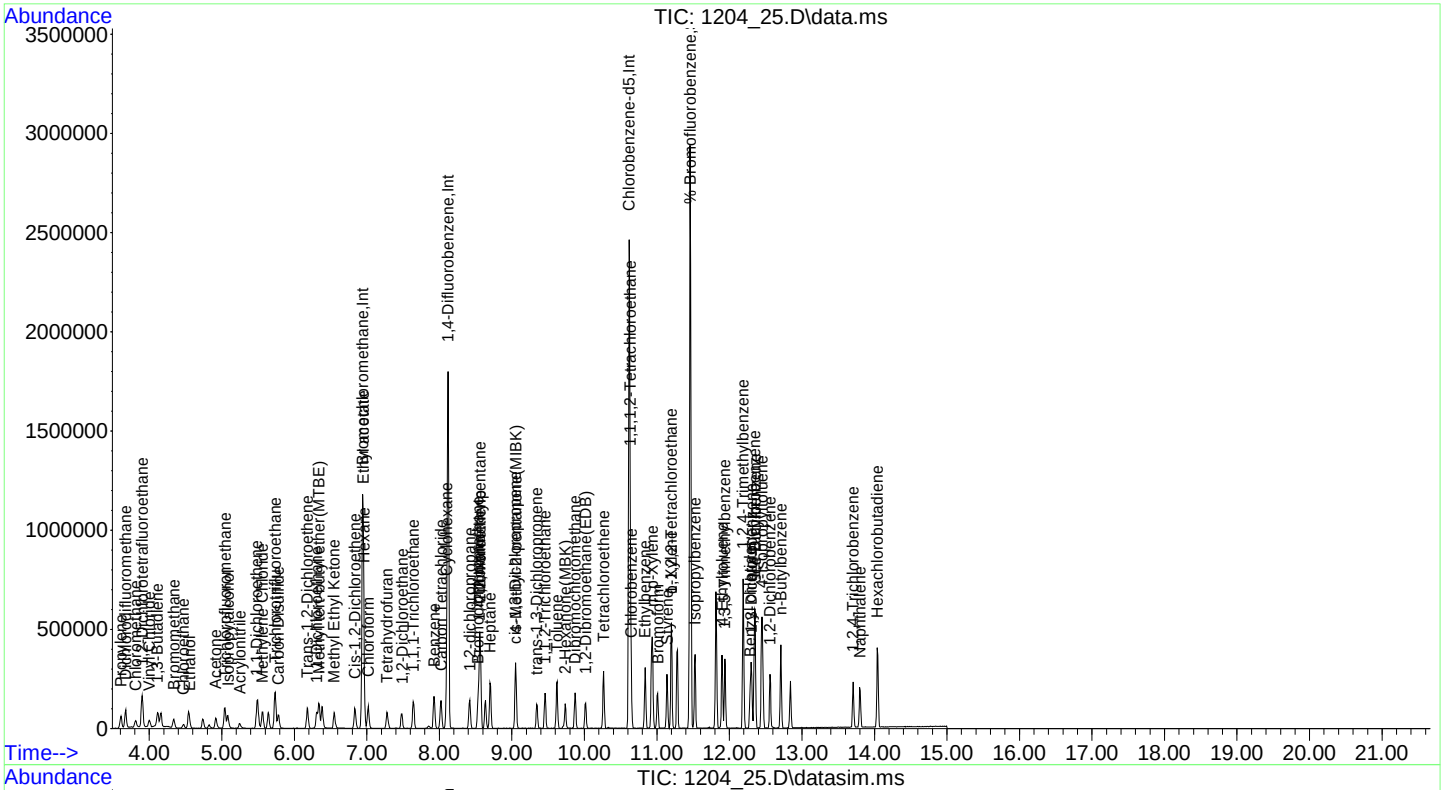
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.349	105	258558	1.011	ppbv	95
113] 4-Isopropyltoluene(sim)	12.445	119	220999	1.002	ppbv#	85
114] 1,2-Dichlorobenzene(sim)	12.562	146	99118	0.992	ppbv	97
115] n-Butylbenzene(sim)	12.711	91	196107	1.026	ppbv	98
116] 1,2,4-Trichlorobenzene...	13.709	180	65588	1.093	ppbv	100
118] Hexachlorobutadiene(sim)	14.043	225	77337	0.933	ppbv	99

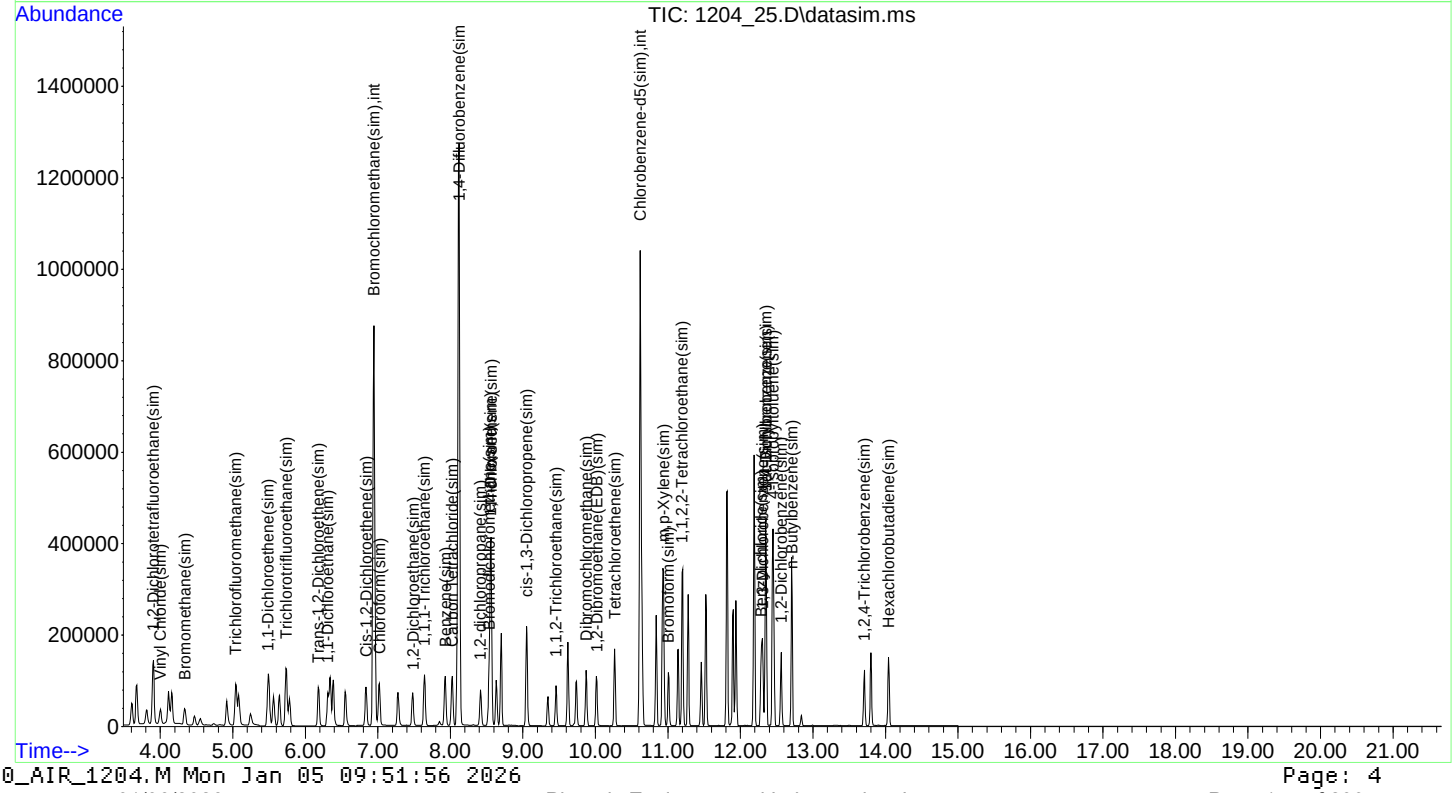
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_25.D
Acq On : 4 Dec 2025 10:13 pm
Operator :
Client ID : ICAL 1
Lab ID : 1ppb tune/cc; TO1514Z
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 05 08:55:34 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_26.D
Acq On : 4 Dec 2025 10:46 pm
Operator :
Client ID : ICAL 10
Lab ID : 10ppb; TO1514Y
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 05 08:55:44 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	275962	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1048460	10.000	ng		0.00
53) Chlorobenzene-d5	10.617	82	618040	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	283279	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1048460	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.617	82	618040	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	806347	9.929	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.30%			
Target Compounds							Qvalue
2) Propylene	3.602	41	341751	9.833	ppbv		90
3) Dichlorodifluoromethane	3.666	85	797280	10.027	ppbv		99
4) Chloromethane	3.812	50	357797	9.565	ppbv		96
5) 1,2-Dichlorotetrafluor...	3.902	85	734547	9.823	ppbv		95
6) Vinyl Chloride	3.999	62	344826	9.786	ppbv		90
7) 1,3-Butadiene	4.113	54	297387	9.639	ppbv		93
8) Bromomethane	4.340	94	285144	9.884	ppbv#		86
9) Chloroethane	4.470	64	166829	10.123	ppbv		94
11) Ethanol	4.551	45	98357	8.774	ppbv#		40
12) Acetone	4.908	43	604239	9.623	ppbv#		77
13) Trichlorofluoromethane	5.037	101	807366	9.980	ppbv		97
14) Isopropylalcohol	5.078	45	667674	9.453	ppbv#		94
15) Acrylonitrile	5.240	53	231368	9.908	ppbv#		1
16) 1,1-Dichloroethene	5.481	61	612973	9.894	ppbv		99
17) Methylene Chloride	5.558	49	476375	9.278	ppbv		91
20) Carbon Disulfide	5.779	76	845597	9.796	ppbv		97
21) Trichlorotrifluoroethane	5.731	101	630765	9.977	ppbv		97
22) Trans-1,2-Dichloroethene	6.178	61	579853	9.811	ppbv		91
23) 1,1-Dichloroethane	6.308	63	667236	9.683	ppbv		92
24) Methyl tert-butyl ethe...	6.334	73	805877	9.577	ppbv#		87
25) Methyl Ethyl Ketone	6.543	43	829639	9.017	ppbv#		92
26) Cis-1,2-Dichloroethene	6.834	61	567547	9.843	ppbv		92
27) Hexane	6.958	57	616174	9.655	ppbv#		88
28) Chloroform	7.020	83	652653	9.863	ppbv		93
29) Ethyl acetate	6.942	61	134109	10.123	ppbv#		80
30) Tetrahydrofuran	7.268	42	462148	9.620	ppbv#		85
31) 1,2-Dichloroethane	7.477	62	512024	9.964	ppbv#		87
32) 1,1,1-Trichloroethane	7.640	97	691881	10.063	ppbv		98
33) Benzene	7.928	78	988730	9.749	ppbv		95
34) Carbon Tetrachloride	8.023	117	690370	10.255	ppbv		100
35) Cyclohexane	8.101	84	370811	9.675	ppbv#		91
37) 1,2-dichloropropane	8.421	63	497550	9.999	ppbv#		76
38) Bromodichloromethane	8.534	83	727292	10.219	ppbv		95
39) Trichloroethene	8.560	130	427574	9.778	ppbv		86
40) 2,2,4-trimethylpentane	8.560	57	1997181	9.601	ppbv		96
41) 1,4-Dioxane	8.542	88	161999	9.908	ppbv#		76
43) Heptane	8.698	43	839156	9.613	ppbv#		89
44) cis-1,3-Dichloropropene	9.046	75	607282	9.990	ppbv		98
45) 4-Methyl-2-pentanone(M...	9.046	43	994558	9.573	ppbv#		95
46) trans-1,3-Dichloropropene	9.342	75	502400	10.193	ppbv		99
47) 1,1,2-Trichloroethane	9.455	97	428984	10.065	ppbv		98
48) Toluene	9.624	91	1254530	9.875	ppbv		99

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_26.D
Acq On : 4 Dec 2025 10:46 pm
Operator :
Client ID : ICAL 10
Lab ID : 10ppb; TO1514Y
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 05 08:55:44 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	9.870	129	767870	10.550	ppbv	98
50)	2-Hexanone(MBK)	9.736	43	868646	9.920	ppbv#	37
51)	1,2-Dibromoethane(EDB)	10.018	107	691252	10.075	ppbv	96
52)	Tetrachloroethene	10.264	166	595562	10.011	ppbv	97
54)	1,1,1,2-Tetrachloroethane	10.632	131	513555	10.221	ppbv#	92
55)	Chlorobenzene	10.647	112	903849	9.681	ppbv	89
56)	Ethylbenzene	10.837	91	1583060	9.646	ppbv	82
57)	m,p-Xylene	10.935	91	2379542	19.491	ppbv	100
58)	Bromoform	11.011	173	723625	10.604	ppbv	97
59)	Styrene	11.140	104	906166	9.766	ppbv#	56
60)	1,1,2,2-Tetrachloroethane	11.200	83	875119	9.644	ppbv	98
61)	o-Xylene	11.200	91	1211485	9.454	ppbv	93
64)	Isopropylbenzene	11.527	105	1745724	9.729	ppbv#	93
66)	4-Ethyltoluene	11.898	105	1694692	9.588	ppbv#	89
67)	1,3,5-Trimethylbenzene	11.936	105	1339497	9.400	ppbv#	90
68)	1,2,4-Trimethylbenzene	12.195	105	1386226	9.531	ppbv	94
70)	Benzyl chloride	12.286	91	1068330	10.647	ppbv	96
71)	1,3-Dichlorobenzene	12.308	146	881988	9.471	ppbv#	93
72)	1,4-Dichlorobenzene	12.346	146	843292	9.681	ppbv	100
73)	sec-Butylbenzene	12.354	105	2031676	9.388	ppbv#	90
74)	4-Isopropyltoluene	12.445	119	1885845	9.488	ppbv	100
75)	1,2-Dichlorobenzene	12.559	146	836093	9.719	ppbv	94
76)	n-Butylbenzene	12.711	91	1742828	9.775	ppbv	98
77)	1,2,4-Trichlorobenzene	13.706	180	563994	10.263	ppbv	98
78)	Naphthalene	13.797	128	1102797	9.619	ppbv#	95
79)	Hexachlorobutadiene	14.048	225	619799	9.323	ppbv	98
81]	1,2-Dichlorotetrafluor...	3.902	85	734521	9.420	ppbv	95
82]	Vinyl Chloride(sim)	4.002	62	374390	8.938	ppbv	98
83]	Bromomethane(sim)	4.340	94	285144	8.867	ppbv#	87
84]	Trichlorofluoromethane...	5.040	101	838034	9.565	ppbv#	98
85]	1,2-Dichloroethane(sim)	7.477	62	512024	9.259	ppbv#	11
86]	1,1,1-Trichloroethane(...	7.643	97	732202	9.519	ppbv#	99
87]	Benzene(sim)	7.928	78	988730	8.924	ppbv	95
88]	Carbon Tetrachloride(sim)	8.026	117	707450	10.212	ppbv	99
89]	1,1-Dichloroethene(sim)	5.481	61	612973	9.125	ppbv	98
90]	Trichlorotrifluoroetha...	5.734	101	645024	9.601	ppbv#	98
91]	Trans-1,2-Dichloroethe...	6.178	61	579853	9.581	ppbv	91
92]	1,1-Dichloroethane(sim)	6.311	63	722315	8.939	ppbv	97
93]	Cis-1,2-Dichloroethene...	6.834	61	567547	9.175	ppbv	92
94]	Chloroform(sim)	7.023	83	679098	9.489	ppbv	99
96]	1,2-dichloropropane(sim)	8.415	63	542536	9.730	ppbv#	77
97]	Bromodichloromethane(sim)	8.534	83	727292	9.909	ppbv	94
98]	Trichloroethene(sim)	8.563	130	443963	8.709	ppbv	96
99]	1,4-Dioxane(sim)	8.542	88	161999	9.712	ppbv#	76
100]	cis-1,3-Dichloropropen...	9.049	75	660564	9.576	ppbv	99
101]	1,1,2-Trichloroethane(...	9.455	97	428984	9.239	ppbv	98
102]	Dibromochloromethane(sim)	9.873	129	777876	10.684	ppbv	100
103]	1,2-Dibromoethane(EDB)...	10.018	107	691252	9.399	ppbv	96
104]	Tetrachloroethene(sim)	10.267	166	610785	9.166	ppbv	94
106]	Bromoform(sim)	11.006	173	728374	10.311	ppbv	99
107]	m,p-Xylene(sim)	10.935	91	2383118	16.979	ppbv	95
108]	1,1,2,2-Tetrachloroeth...	11.196	83	887862	7.923	ppbv	98
109]	Benzyl chloride(sim)	12.286	91	1068330	10.674	ppbv	96
110]	1,3-Dichlorobenzene(sim)	12.304	146	962083	8.156	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.346	146	843292	8.264	ppbv	92

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_26.D
Acq On : 4 Dec 2025 10:46 pm
Operator :
Client ID : ICAL 10
Lab ID : 10ppb; TO1514Y
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 05 08:55:44 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

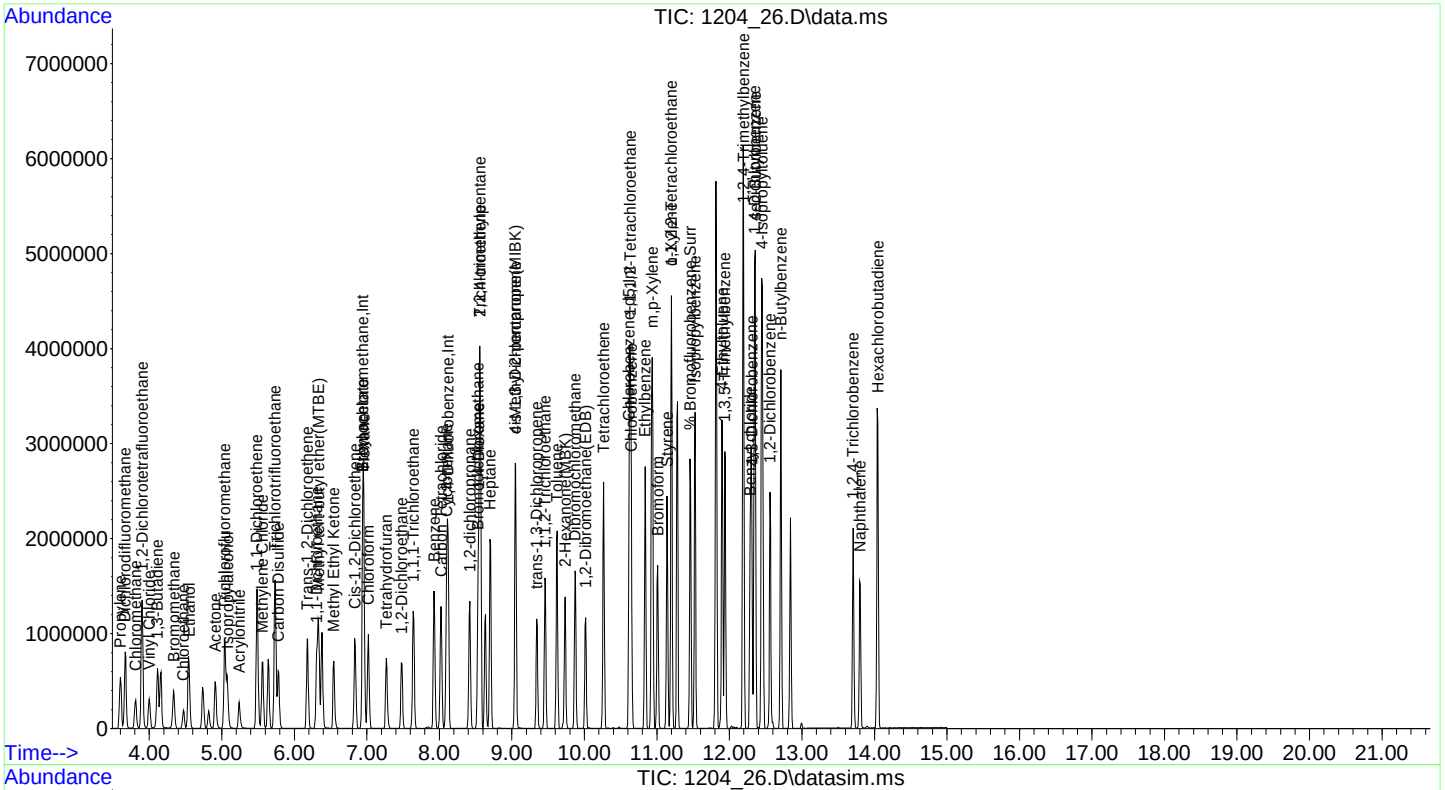
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.357	105	2117452	8.149	ppbv	95
113] 4-Isopropyltoluene(sim)	12.445	119	1885845	8.417	ppbv#	85
114] 1,2-Dichlorobenzene(sim)	12.562	146	897395	8.840	ppbv	98
115] n-Butylbenzene(sim)	12.711	91	1742828	8.980	ppbv	98
116] 1,2,4-Trichlorobenzene...	13.709	180	599703	10.559	ppbv	100

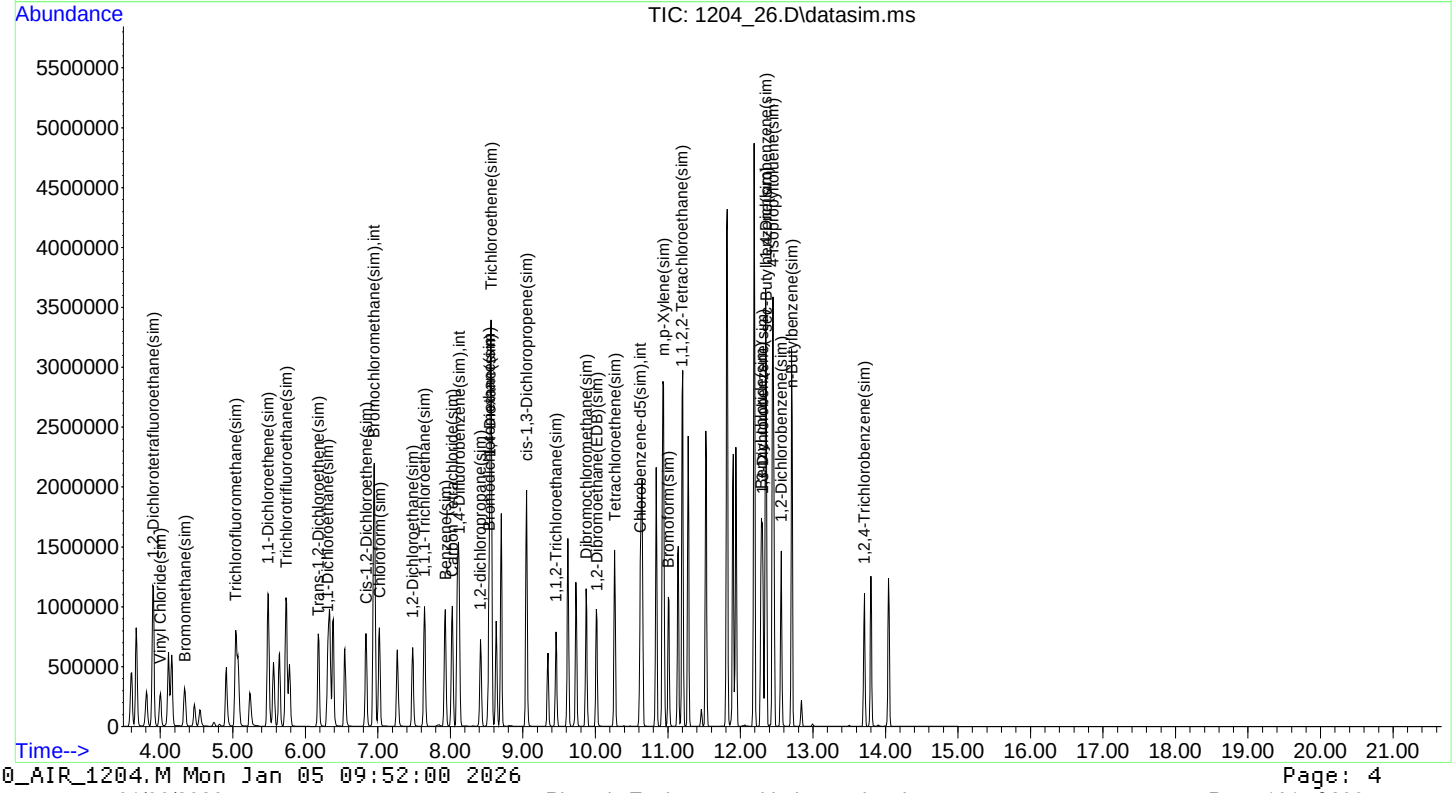
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_26.D
Acq On : 4 Dec 2025 10:46 pm
Operator :
Client ID : ICAL 10
Lab ID : 10ppb; TO1514Y
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 05 08:55:44 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration





AIR ICV RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No: SAS No: SDG No GCU98120

ICV - Client Id: ICV_CHEM20_1204

COMPOUND	SPIKE ADDED (ppbv)		ICV CONCENTRATION (ppbv)	ICV % REC #	QC. LIMITS REC.	
Propylene	10		9.677	97	70	130
Dichlorodifluoromethane	10		9.840	98	70	130
Chloromethane	10		9.357	94	70	130
1,2-Dichlorotetrafluoroethane	10		9.747	97	70	130
Vinyl Chloride	10		9.698	97	70	130
1,3-Butadiene	10		9.489	95	70	130
Bromomethane	10		9.211	92	70	130
Chloroethane	10		9.266	93	70	130
Ethanol	10		11.72	117	70	130
Acetone	10		9.512	95	70	130
Trichlorofluoromethane	10		9.396	94	70	130
Isopropylalcohol	10		10.32	103	70	130
Acrylonitrile	10		13.60	136 *	70	130
1,1-Dichloroethene	10		9.310	93	70	130
Methylene Chloride	10		8.824	88	70	130
Carbon Disulfide	10		8.983	90	70	130
Trichlorotrifluoroethane	10		8.868	89	70	130
Trans-1,2-Dichloroethene	10		10.12	101	70	130
1,1-Dichloroethane	10		9.747	97	70	130
Methyl tert-butyl ether(MTBE)	10		9.877	99	70	130
Methyl Ethyl Ketone	10		9.697	97	70	130
Cis-1,2-Dichloroethene	10		9.787	98	70	130
Hexane	10		9.721	97	70	130
Chloroform	10		9.787	98	70	130
Ethyl acetate	10		11.08	111	70	130
Tetrahydrofuran	10		9.664	97	70	130
1,2-Dichloroethane	10		10.08	101	70	130
1,1,1-Trichloroethane	10		10.02	100	70	130
Benzene	10		9.754	98	70	130
Carbon Tetrachloride	10		10.24	102	70	130
Cyclohexane	10		9.650	97	70	130
1,2-dichloropropane	10		10.08	101	70	130
Bromodichloromethane	10		10.20	102	70	130
Trichloroethene	10		9.566	96	70	130
2,2,4-trimethylpentane	10		9.480	95	70	130
1,4-Dioxane	10		13.37	134 *	70	130
Heptane	10		9.697	97	70	130
cis-1,3-Dichloropropene	10		10.22	102	70	130
4-Methyl-2-pentanone(MIBK)	10		10.71	107	70	130
trans-1,3-Dichloropropene	10		10.64	106	70	130
1,1,2-Trichloroethane	10		10.12	101	70	130
Toluene	10		9.944	99	70	130
Dibromochloromethane	10		10.48	105	70	130
2-Hexanone(MBK)	10		12.20	122	70	130

AIR ICV RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No: SAS No: SDG No GCU98120

ICV - Client Id: ICV_CHEM20_1204

COMPOUND	SPIKE ADDED (ppbv)		ICV CONCENTRATION (ppbv)	ICV % REC #	QC. LIMITS REC.	
1,2-Dibromoethane(EDB)	10		10.36	104	70	130
Tetrachloroethene	10		10.02	100	70	130
1,1,1,2-Tetrachloroethane	10		9.819	98	70	130
Chlorobenzene	10		9.798	98	70	130
Ethylbenzene	10		9.710	97	70	130
m,p-Xylene	20		19.53	98	70	130
Bromoform	10		10.69	107	70	130
Styrene	10		9.985	100	70	130
1,1,2,2-Tetrachloroethane	10		9.868	99	70	130
o-Xylene	10		9.424	94	70	130
Isopropylbenzene	10		9.250	93	70	130
4-Ethyltoluene	10		9.803	98	70	130
1,3,5-Trimethylbenzene	10		9.797	98	70	130
1,2,4-Trimethylbenzene	10		9.855	99	70	130
Benzyl chloride	10		11.90	119	70	130
1,3-Dichlorobenzene	10		9.902	99	70	130
1,4-Dichlorobenzene	10		10.30	103	70	130
sec-Butylbenzene	10		8.903	89	70	130
4-Isopropyltoluene	10		9.019	90	70	130
1,2-Dichlorobenzene	10		10.43	104	70	130
n-Butylbenzene	10		9.402	94	70	130
1,2,4-Trichlorobenzene	10		11.54	115	70	130
Naphthalene	10		11.92	119	70	130
Hexachlorobutadiene	10		9.73	97	70	130

FORM VI AIR

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_27.D
Acq On : 4 Dec 2025 11:20 pm
Operator :
Client ID : ICV_CHEM20_1204
Lab ID : 10ppb lcs; TO1514X
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 05 08:55:51 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	276866	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1052151	10.000	ng		0.00
53) Chlorobenzene-d5	10.616	82	623894	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	284250	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1052151	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.616	82	623894	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	814445	9.935	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.30%				
Target Compounds							Qvalue
2) Propylene	3.610	41	337425	9.677	ppbv		90
3) Dichlorodifluoromethane	3.674	85	785008	9.840	ppbv		99
4) Chloromethane	3.812	50	351143	9.357	ppbv		95
5) 1,2-Dichlorotetrafluor...	3.902	85	731270	9.747	ppbv		95
6) Vinyl Chloride	3.999	62	342846	9.698	ppbv		91
7) 1,3-Butadiene	4.112	54	293713	9.489	ppbv		94
8) Bromomethane	4.340	94	266596	9.210	ppbv	#	87
9) Chloroethane	4.469	64	153196	9.266	ppbv		93
11) Ethanol	4.550	45	131788	11.718	ppbv	#	40
12) Acetone	4.907	43	599220	9.512	ppbv	#	77
13) Trichlorofluoromethane	5.037	101	762663	9.396	ppbv		97
14) Isopropylalcohol	5.078	45	731474	10.322	ppbv	#	94
15) Acrylonitrile	5.240	53	318504	13.596	ppbv	#	1
16) 1,1-Dichloroethene	5.481	61	578684	9.310	ppbv		96
17) Methylene Chloride	5.558	49	454545	8.824	ppbv		86
20) Carbon Disulfide	5.778	76	777963	8.983	ppbv		96
21) Trichlorotrifluoroethane	5.731	101	562468	8.868	ppbv		97
22) Trans-1,2-Dichloroethene	6.178	61	600134	10.121	ppbv		91
23) 1,1-Dichloroethane	6.308	63	673847	9.747	ppbv		93
24) Methyl tert-butyl ethe...	6.339	73	833831	9.877	ppbv	#	87
25) Methyl Ethyl Ketone	6.548	43	895104	9.697	ppbv	#	92
26) Cis-1,2-Dichloroethene	6.834	61	566153	9.787	ppbv		91
27) Hexane	6.958	57	622476	9.721	ppbv	#	87
28) Chloroform	7.020	83	649754	9.787	ppbv		93
29) Ethyl acetate	6.950	61	147285	11.081	ppbv	#	78
30) Tetrahydrofuran	7.275	42	465813	9.664	ppbv	#	85
31) 1,2-Dichloroethane	7.485	62	519888	10.084	ppbv	#	86
32) 1,1,1-Trichloroethane	7.640	97	690877	10.016	ppbv		98
33) Benzene	7.928	78	992549	9.754	ppbv		95
34) Carbon Tetrachloride	8.023	117	691524	10.238	ppbv		100
35) Cyclohexane	8.101	84	371053	9.650	ppbv	#	91
37) 1,2-dichloropropane	8.421	63	503268	10.079	ppbv	#	77
38) Bromodichloromethane	8.534	83	728464	10.200	ppbv		96
39) Trichloroethene	8.559	130	419764	9.566	ppbv		87
40) 2,2,4-trimethylpentane	8.559	57	1978868	9.480	ppbv		97
41) 1,4-Dioxane	8.542	88	219445	13.374	ppbv		88
43) Heptane	8.698	43	849418	9.697	ppbv	#	88
44) cis-1,3-Dichloropropene	9.053	75	623594	10.222	ppbv		98
45) 4-Methyl-2-pentanone(M...	9.053	43	1116776	10.711	ppbv	#	95
46) trans-1,3-Dichloropropene	9.349	75	526513	10.644	ppbv		99
47) 1,1,2-Trichloroethane	9.462	97	432757	10.118	ppbv		98
48) Toluene	9.623	91	1267778	9.944	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_27.D
Acq On : 4 Dec 2025 11:20 pm
Operator :
Client ID : ICV_CHEM20_1204
Lab ID : 10ppb lcs; TO1514X
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 05 08:55:51 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	765387	10.479	ppbv	98
50) 2-Hexanone(MBK)	9.736	43	1072079	12.201	ppbv#	36
51) 1,2-Dibromoethane(EDB)	10.018	107	713613	10.364	ppbv	95
52) Tetrachloroethene	10.264	166	598372	10.023	ppbv	97
54) 1,1,1,2-Tetrachloroethane	10.632	131	498040	9.819	ppbv#	94
55) Chlorobenzene	10.647	112	923413	9.798	ppbv	89
56) Ethylbenzene	10.836	91	1608726	9.710	ppbv	82
57) m,p-Xylene	10.935	91	2406621	19.528	ppbv	100
58) Bromoform	11.011	173	736427	10.690	ppbv	97
59) Styrene	11.140	104	935266	9.985	ppbv#	56
60) 1,1,2,2-Tetrachloroethane	11.200	83	903924	9.868	ppbv	97
61) o-Xylene	11.200	91	1219062	9.424	ppbv	92
64) Isopropylbenzene	11.526	105	1675561	9.250	ppbv#	93
66) 4-Ethyltoluene	11.898	105	1749073	9.803	ppbv#	89
67) 1,3,5-Trimethylbenzene	11.944	105	1409313	9.797	ppbv#	91
68) 1,2,4-Trimethylbenzene	12.194	105	1447048	9.855	ppbv	94
70) Benzyl chloride	12.286	91	1205407	11.900	ppbv	96
71) 1,3-Dichlorobenzene	12.308	146	930902	9.902	ppbv	93
72) 1,4-Dichlorobenzene	12.346	146	906151	10.305	ppbv	100
73) sec-Butylbenzene	12.354	105	1944936	8.903	ppbv#	90
74) 4-Isopropyltoluene	12.445	119	1809767	9.019	ppbv	100
75) 1,2-Dichlorobenzene	12.559	146	906154	10.435	ppbv	94
76) n-Butylbenzene	12.711	91	1692211	9.402	ppbv	98
77) 1,2,4-Trichlorobenzene	13.706	180	640291	11.542	ppbv	97
78) Naphthalene	13.804	128	1379574	11.920	ppbv#	95
79) Hexachlorobutadiene	14.047	225	653122	9.732	ppbv	98
81] 1,2-Dichlorotetrafluor...	3.902	85	731239	9.346	ppbv	95
82] Vinyl Chloride(sim)	4.002	62	370376	8.812	ppbv	98
83] Bromomethane(sim)	4.340	94	266596	8.262	ppbv#	88
84] Trichlorofluoromethane...	5.040	101	788228	8.966	ppbv#	99
85] 1,2-Dichloroethane(sim)	7.485	62	519888	9.369	ppbv#	11
86] 1,1,1-Trichloroethane(...	7.642	97	727639	9.427	ppbv#	99
87] Benzene(sim)	7.928	78	992549	8.928	ppbv	95
88] Carbon Tetrachloride(sim)	8.026	117	702018	10.099	ppbv	99
89] 1,1-Dichloroethene(sim)	5.481	61	578684	8.585	ppbv	96
90] Trichlorotrifluoroetha...	5.734	101	575103	8.531	ppbv#	95
91] Trans-1,2-Dichloroethe...	6.178	61	600134	9.882	ppbv	91
92] 1,1-Dichloroethane(sim)	6.311	63	732306	9.032	ppbv	97
93] Cis-1,2-Dichloroethene...	6.834	61	565392	9.109	ppbv	91
94] Chloroform(sim)	7.023	83	678892	9.454	ppbv	99
96] 1,2-dichloropropane(sim)	8.415	63	547988	9.794	ppbv#	77
97] Bromodichloromethane(sim)	8.534	83	728464	9.890	ppbv	95
98] Trichloroethene(sim)	8.562	130	438435	8.571	ppbv	97
99] 1,4-Dioxane(sim)	8.542	88	219445	13.109	ppbv	88
100] cis-1,3-Dichloropropen...	9.049	75	675414	9.757	ppbv	99
101] 1,1,2-Trichloroethane(...	9.462	97	432757	9.288	ppbv	98
102] Dibromochloromethane(sim)	9.873	129	778221	10.651	ppbv	100
103] 1,2-Dibromoethane(EDB)...	10.018	107	713613	9.669	ppbv	95
104] Tetrachloroethene(sim)	10.267	166	615038	9.197	ppbv	94
106] Bromoform(sim)	11.014	173	741508	10.399	ppbv	99
107] m,p-Xylene(sim)	10.935	91	2409962	17.010	ppbv	95
108] 1,1,2,2-Tetrachloroeth...	11.196	83	924557	8.173	ppbv	98
109] Benzyl chloride(sim)	12.286	91	1205407	11.931	ppbv	96
110] 1,3-Dichlorobenzene(sim)	12.304	146	1019999	8.566	ppbv	97
111] 1,4-Dichlorobenzene(sim)	12.346	146	906151	8.797	ppbv	92

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_27.D
Acq On : 4 Dec 2025 11:20 pm
Operator :
Client ID : ICV_CHEM20_1204
Lab ID : 10ppb lcs; TO1514X
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 05 08:55:51 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

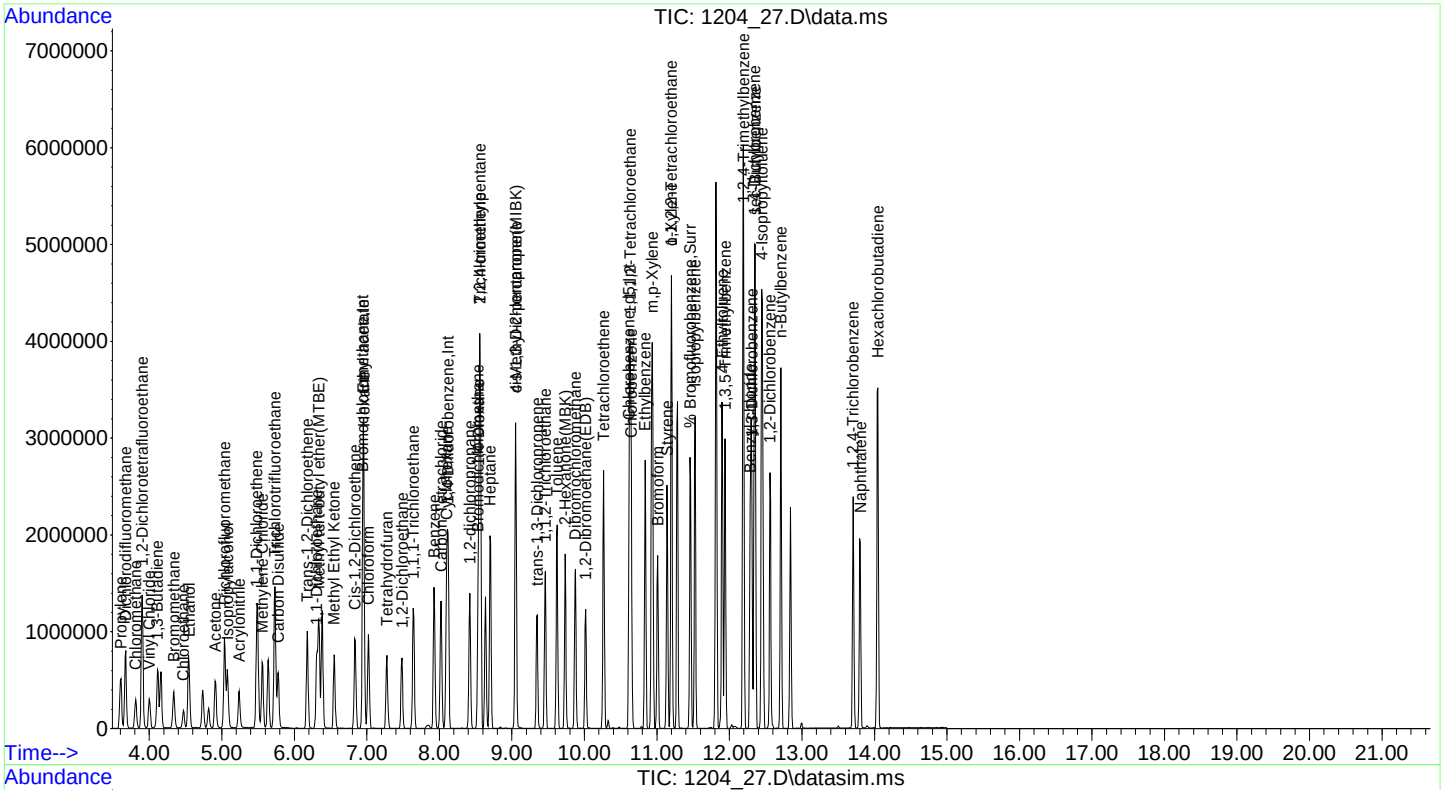
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.357	105	2024881	7.720	ppbv	95
113] 4-Isopropyltoluene(sim)	12.445	119	1809767	8.001	ppbv#	85
114] 1,2-Dichlorobenzene(sim)	12.562	146	967863	9.445	ppbv	98
115] n-Butylbenzene(sim)	12.711	91	1692211	8.637	ppbv	98
116] 1,2,4-Trichlorobenzene...	13.709	180	682780	12.048	ppbv	99

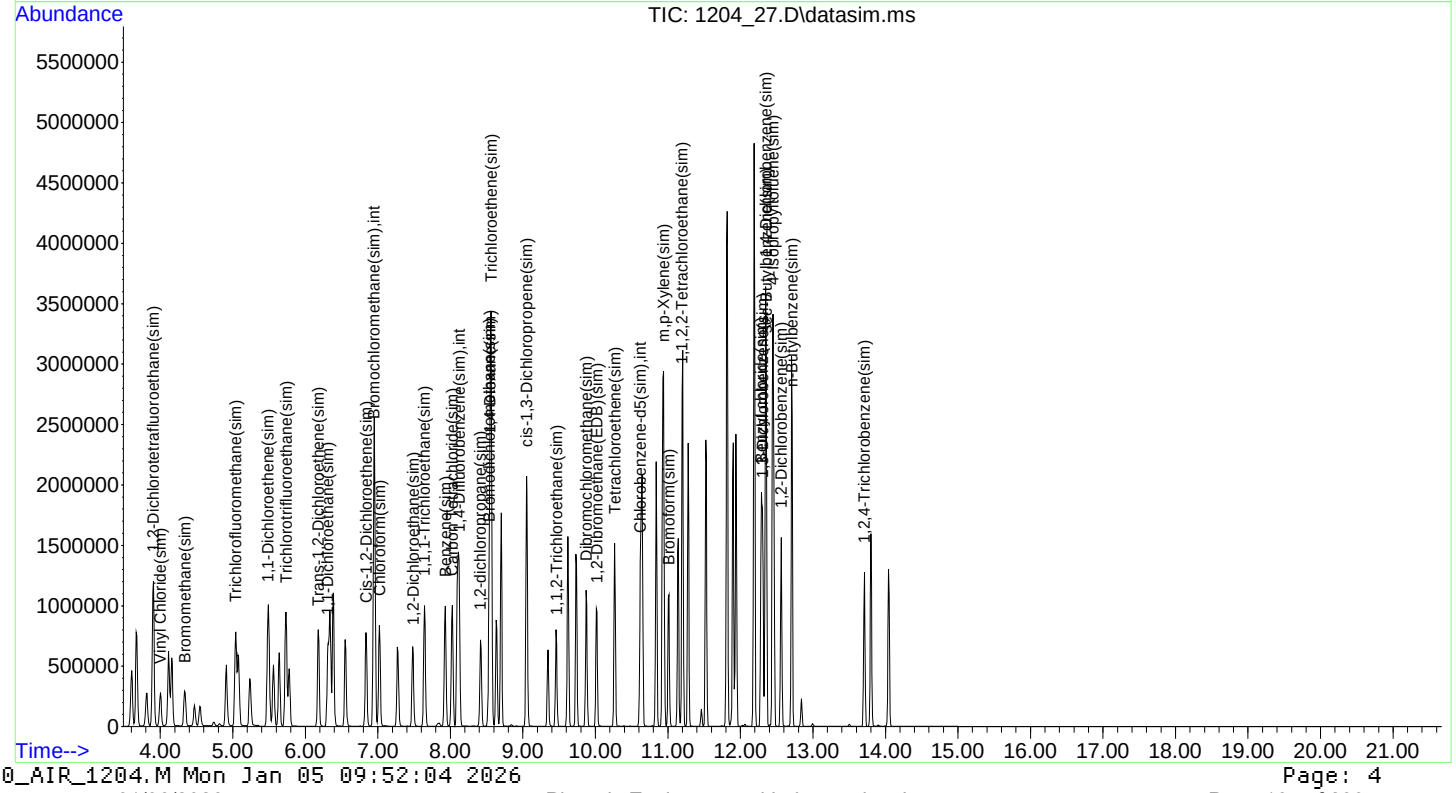
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\04\
Data File : 1204_27.D
Acq On : 4 Dec 2025 11:20 pm
Operator :
Client ID : ICV_CHEM20_1204
Lab ID : 10ppb lcs; TO1514X
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 05 08:55:51 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration





7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98120

Instrument: CHEM20 Calibration Date: 12/17/25 Time: 11:30

Lab File Id: 1216_23.D Init. Calib. Date(s): 12/04/25 12/04/25

Heated Purge (Y/N): Y Init. Calib. Times: 16:03 22:46

GC Column: RTX-1 60M Method File: 20_AIR_1204.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	1.259	1.257		0.2	30
Dichlorodifluoromethane	2.881	2.956		-2.6	30
Chloromethane	1.355	1.498		-10.6	30
1,2-Dichlorotetrafluoroethane	2.710	2.921		-7.8	30
Vinyl Chloride	1.277	1.394		-9.2	30
1,3-Butadiene	1.118	1.274		-14.0	30
Bromomethane	1.045	1.060		-1.4	30
Chloroethane	0.597	0.596		0.2	30
Ethanol	0.406	0.325		20.0	30
Acetone	2.275	2.294		-0.8	30
Trichlorofluoromethane	2.932	3.062		-4.4	30
Isopropylalcohol	2.560	2.304		10.0	30
Acrylonitrile	0.846	0.730		13.7	30
1,1-Dichloroethene	2.245	2.433		-8.4	30
Methylene Chloride	1.861	2.068		-11.1	30
Carbon Disulfide	3.128	3.168		-1.3	30
Trichlorotrifluoroethane	2.291	2.379		-3.8	30
Trans-1,2-Dichloroethene	2.142	2.195		-2.5	30
1,1-Dichloroethane	2.497	2.549		-2.1	30
Methyl tert-butyl ether(MTBE)	3.049	2.968		2.7	30
Methyl Ethyl Ketone	3.334	3.391		-1.7	30
Cis-1,2-Dichloroethene	2.089	2.105		-0.8	30
Hexane	2.313	2.374		-2.6	30
Chloroform	2.398	2.357		1.7	30
Ethyl acetate	0.480	0.438		8.8	30
Tetrahydrofuran	1.741	1.803		-3.6	30
1,2-Dichloroethane	1.862	1.922		-3.2	30
1,1,1-Trichloroethane	2.491	2.329		6.5	30
Benzene	3.675	3.567		2.9	30
Carbon Tetrachloride	2.440	2.208		9.5	30
Cyclohexane	1.389	1.374		1.1	30
1,2-dichloropropane	0.475	0.464		2.3	30
Bromodichloromethane	0.679	0.665		2.1	30
Trichloroethene	0.417	0.418		-0.2	30
2,2,4-trimethylpentane	1.984	2.152		-8.5	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98120

Instrument: CHEM20 Calibration Date: 12/17/25 Time: 11:30

Lab File Id: 1216_23.D Init. Calib. Date(s): 12/04/25 12/04/25

Heated Purge (Y/N): Y Init. Calib. Times: 16:03 22:46

GC Column: RTX-1 60M Method File: 20_AIR_1204.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.156	0.145		7.1	30
Heptane	0.833	0.899		-7.9	30
cis-1,3-Dichloropropene	0.580	0.528		9.0	30
4-Methyl-2-pentanone(MIBK)	0.991	1.081		-9.1	30
trans-1,3-Dichloropropene	0.470	0.385		18.1	30
1,1,2-Trichloroethane	0.407	0.396		2.7	30
Toluene	1.212	1.210		0.2	30
Dibromochloromethane	0.694	0.662		4.6	30
2-Hexanone(MBK)	0.835	0.769		7.9	30
1,2-Dibromoethane(EDB)	0.654	0.629		3.8	30
Tetrachloroethene	0.567	0.570		-0.5	30
1,1,1,2-Tetrachloroethane	0.813	0.776		4.6	30
Chlorobenzene	1.511	1.610		-6.6	30
Ethylbenzene	2.655	2.788		-5.0	30
m,p-Xylene	1.975	1.742		11.8	30
Bromoform	1.104	1.056		4.3	30
Styrene	1.501	1.506		-0.3	30
1,1,2,2-Tetrachloroethane	1.468	1.516		-3.3	30
o-Xylene	2.073	2.175		-4.9	30
Isopropylbenzene	2.903	3.064		-5.5	30
4-Ethyltoluene	2.860	3.003		-5.0	30
1,3,5-Trimethylbenzene	2.306	2.402		-4.2	30
1,2,4-Trimethylbenzene	2.353	2.445		-3.9	30
Benzyl chloride	1.624	0.886		45.4 #	30
1,3-Dichlorobenzene	1.507	1.505		0.1	30
1,4-Dichlorobenzene	1.409	1.419		-0.7	30
sec-Butylbenzene	3.501	3.743		-6.9	30
4-Isopropyltoluene	3.216	3.362		-4.5	30
1,2-Dichlorobenzene	1.392	1.350		3.0	30
n-Butylbenzene	2.885	2.968		-2.9	30
1,2,4-Trichlorobenzene	0.889	0.734		17.4	30
Naphthalene	1.855	1.485		19.9	30
Hexachlorobutadiene	1.076	1.015		5.7	30
1,2-Dichlorotetrafluoroethane(sim)	2.752	2.790		-1.4	30
Vinyl Chloride(sim)	1.479	1.462		1.1	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98120

Instrument: CHEM20 Calibration Date: 12/17/25 Time: 11:30

Lab File Id: 1216_23.D Init. Calib. Date(s): 12/04/25 12/04/25

Heated Purge (Y/N): Y Init. Calib. Times: 16:03 22:46

GC Column: RTX-1 60M Method File: 20_AIR_1204.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.135	1.012		10.8	30
Trichlorofluoromethane(sim)	3.093	3.102		-0.3	30
1,2-Dichloroethane(sim)	1.952	1.836		5.9	30
1,1,1-Trichloroethane(sim)	2.715	2.420		10.9	30
Benzene(sim)	3.911	3.406		12.9	30
Carbon Tetrachloride(sim)	2.446	2.211		9.6	30
1,1-Dichloroethene(sim)	2.371	2.324		2.0	30
Trichlorotrifluoroethane(sim)	2.372	2.422		-2.1	30
Trans-1,2-Dichloroethene(sim)	2.137	2.096		1.9	30
1,1-Dichloroethane(sim)	2.852	2.711		4.9	30
Cis-1,2-Dichloroethene(sim)	2.184	2.010		8.0	30
Chloroform(sim)	2.526	2.414		4.4	30
1,2-dichloropropane(sim)	0.532	0.531		0.2	30
Bromodichloromethane(sim)	0.700	0.665		5.0	30
Trichloroethene(sim)	0.486	0.453		6.8	30
1,4-Dioxane(sim)	0.159	0.145		8.8	30
cis-1,3-Dichloropropene(sim)	0.658	0.589		10.5	30
1,1,2-Trichloroethane(sim)	0.443	0.396		10.6	30
Dibromochloromethane(sim)	0.694	0.693		0.1	30
1,2-Dibromoethane(EDB)(sim)	0.701	0.629		10.3	30
Tetrachloroethene(sim)	0.636	0.608		4.4	30
Bromoform(sim)	1.143	1.125		1.6	30
m,p-Xylene(sim)	2.271	2.177		4.1	30
1,1,2,2-Tetrachloroethane(sim)	1.813	1.611		11.1	30
Benzyl chloride(sim)	1.619	0.886		45.3 #	30
1,3-Dichlorobenzene(sim)	1.909	1.701		10.9	30
1,4-Dichlorobenzene(sim)	1.651	1.419		14.1	30
sec-Butylbenzene(sim)	4.204	4.090		2.7	30
4-Isopropyltoluene(sim)	3.625	3.362		7.3	30
1,2-Dichlorobenzene(sim)	1.642	1.476		10.1	30
n-Butylbenzene(sim)	3.140	2.968		5.5	30
1,2,4-Trichlorobenzene(sim) qfi	1.000	0.83		17.0	20
Hexachlorobutadiene(sim) qfi	1.000	0.81		19.0	20
% Bromofluorobenzene	1.314	1.351		-2.8	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_23.D
Acq On : 17 Dec 2025 11:30 am
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; TO1516S - 1ppb ccal; TO1516S
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 12:29:10 2025
Quant Method : H:\AIR2025\CHEM20\METHODS\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	
1	Int	Bromochloromethane	1.000	1.000	0.0	117	
2		Propylene	1.259	1.257	0.2		
3		Dichlorodifluoromethane	2.881	2.956	-2.6		
4		Chloromethane	1.355	1.498	-10.6		
5		1,2-Dichlorotetrafluoroetha	2.710	2.921	-7.8		
6		Vinyl Chloride	1.277	1.394	-9.2		
7		1,3-Butadiene	1.118	1.274	-14.0		
8		Bromomethane	1.045	1.060	-1.4		
9		Chloroethane	0.597	0.596	0.2		
11		Ethanol	0.406	0.325	20.0		
12		Acetone	2.275	2.294	-0.8		
13		Trichlorofluoromethane	2.932	3.062	-4.4		
14		Isopropylalcohol	2.560	2.304	10.0		
15		Acrylonitrile	0.846	0.730	13.7		
16		1,1-Dichloroethene	2.245	2.433	-8.4		
17		Methylene Chloride	1.861	2.068	-11.1		
20		Carbon Disulfide	3.128	3.168	-1.3		
21		Trichlorotrifluoroethane	2.291	2.379	-3.8		
22		Trans-1,2-Dichloroethene	2.142	2.195	-2.5		
23		1,1-Dichloroethane	2.497	2.549	-2.1		
24		Methyl tert-butyl ether(MTB	3.049	2.968	2.7		
25		Methyl Ethyl Ketone	3.334	3.391	-1.7		
26		Cis-1,2-Dichloroethene	2.089	2.105	-0.8		
27		Hexane	2.313	2.374	-2.6		
28		Chloroform	2.398	2.357	1.7		
29		Ethyl acetate	0.480	0.438	8.7		
30		Tetrahydrofuran	1.741	1.803	-3.6		
31		1,2-Dichloroethane	1.862	1.922	-3.2		
32		1,1,1-Trichloroethane	2.491	2.329	6.5		
33		Benzene	3.675	3.567	2.9		
34		Carbon Tetrachloride	2.440	2.208	9.5		
35		Cyclohexane	1.389	1.374	1.1		
36	Int	1,4-Difluorobenzene	1.000	1.000	0.0	115	
37		1,2-dichloropropane	0.475	0.464	2.3		
38		Bromodichloromethane	0.679	0.665	2.1		
39		Trichloroethene	0.417	0.418	-0.2		
40		2,2,4-trimethylpentane	1.984	2.152	-8.5		
41		1,4-Dioxane	0.156	0.145	7.1		
43		Heptane	0.833	0.899	-7.9		
44		cis-1,3-Dichloropropene	0.580	0.528	9.0		
45		4-Methyl-2-pentanone(MIBK)	0.991	1.081	-9.1		
46		trans-1,3-Dichloropropene	0.470	0.385	18.1		
47		1,1,2-Trichloroethane	0.407	0.396	2.7		
48		Toluene	1.212	1.210	0.2		
49		Dibromochloromethane	0.694	0.662	4.6		
50		2-Hexanone(MBK)	0.835	0.769	7.9		
51		1,2-Dibromoethane(EDB)	0.654	0.629	3.8		
52		Tetrachloroethene	0.567	0.570	-0.5		
53	Int	Chlorobenzene-d5	1.000	1.000	0.0	116	

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_23.D
Acq On : 17 Dec 2025 11:30 am
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; TO1516S - 1ppb ccal; TO1516S
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 12:29:10 2025
Quant Method : H:\AIR2025\CHEM20\METHODS\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	
54		1,1,1,2-Tetrachloroethane	0.813	0.776	4.6		
55		Chlorobenzene	1.511	1.610	-6.6		
56		Ethylbenzene	2.655	2.788	-5.0		
57		m,p-Xylene	1.975	1.742	11.8		
58		Bromoform	1.104	1.056	4.3		
59		Styrene	1.501	1.506	-0.3		
60		1,1,2,2-Tetrachloroethane	1.468	1.516	-3.3		
61		o-Xylene	2.073	2.175	-4.9		
62	Surr	% Bromofluorobenzene	1.314	1.351	-2.8		
64		Isopropylbenzene	2.903	3.064	-5.5		
66		4-Ethyltoluene	2.860	3.003	-5.0		
67		1,3,5-Trimethylbenzene	2.306	2.402	-4.2		
68		1,2,4-Trimethylbenzene	2.353	2.445	-3.9		
70		Benzyl chloride	1.624	0.886	45.4#		
71		1,3-Dichlorobenzene	1.507	1.505	0.1		
72		1,4-Dichlorobenzene	1.409	1.419	-0.7		
73		sec-Butylbenzene	3.501	3.743	-6.9		
74		4-Isopropyltoluene	3.216	3.362	-4.5		
75		1,2-Dichlorobenzene	1.392	1.350	3.0		
76		n-Butylbenzene	2.885	2.968	-2.9		
77		1,2,4-Trichlorobenzene	0.889	0.734	17.4		
78		Naphthalene	1.855	1.485	19.9		
79		Hexachlorobutadiene	1.076	1.015	5.7		
80	int	Bromochloromethane(sim)	1.000	1.000	0.0	119	
81		1,2-Dichlorotetrafluoroetha	2.752	2.790	-1.4		
82		Vinyl Chloride(sim)	1.479	1.462	1.1		
83		Bromomethane(sim)	1.135	1.012	10.8		
84		Trichlorofluoromethane(sim)	3.093	3.102	-0.3		
85		1,2-Dichloroethane(sim)	1.952	1.836	5.9		
86		1,1,1-Trichloroethane(sim)	2.715	2.420	10.9		
87		Benzene(sim)	3.911	3.406	12.9		
88		Carbon Tetrachloride(sim)	2.446	2.211	9.6		
89		1,1-Dichloroethene(sim)	2.371	2.324	2.0		
90		Trichlorotrifluoroethane(si	2.372	2.422	-2.1		
91		Trans-1,2-Dichloroethene(si	2.137	2.096	1.9		
92		1,1-Dichloroethane(sim)	2.852	2.711	4.9		
93		Cis-1,2-Dichloroethene(sim)	2.184	2.010	8.0		
94		Chloroform(sim)	2.526	2.414	4.4		
95	int	1,4-Difluorobenzene(sim)	1.000	1.000	0.0	115	
96		1,2-dichloropropane(sim)	0.532	0.531	0.2		
97		Bromodichloromethane(sim)	0.700	0.665	5.0		
98		Trichloroethene(sim)	0.486	0.453	6.8		
99		1,4-Dioxane(sim)	0.159	0.145	8.8		
100		cis-1,3-Dichloropropene(sim	0.658	0.589	10.5		
101		1,1,2-Trichloroethane(sim)	0.443	0.396	10.6		
102		Dibromochloromethane(sim)	0.694	0.693	0.1		
103		1,2-Dibromoethane(EDB)(sim)	0.701	0.629	10.3		
104		Tetrachloroethene(sim)	0.636	0.608	4.4		

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_23.D
Acq On : 17 Dec 2025 11:30 am
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; TO1516S - 1ppb ccal; TO1516S
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 12:29:10 2025
Quant Method : H:\AIR2025\CHEM20\METHODS\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	
105	int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	116	
106		Bromoform(sim)	1.143	1.125	1.6		
107		m,p-Xylene(sim)	2.271	2.177	4.1		
108		1,1,2,2-Tetrachloroethane(s	1.813	1.611	11.1		
109		Benzyl chloride(sim)	1.619	0.886	45.3#		
110		1,3-Dichlorobenzene(sim)	1.909	1.701	10.9		
111		1,4-Dichlorobenzene(sim)	1.651	1.419	14.1		
112		sec-Butylbenzene(sim)	4.204	4.090	2.7		
113		4-Isopropyltoluene(sim)	3.625	3.362	7.3		
114		1,2-Dichlorobenzene(sim)	1.642	1.476	10.1		
115		n-Butylbenzene(sim)	3.140	2.968	5.5		
116	qf	1,2,4-Trichlorobenzene(sim)	1.000	0.829	17.1#		
118	qf	Hexachlorobutadiene(sim)	1.000	0.813	18.7#		

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
Laboratory Warning Limits Out = 0

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_23.D
Acq On : 17 Dec 2025 11:30 am
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; TO1516S - 1ppb ccal; TO1516S
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 12:29:10 2025
Quant Method : H:\AIR2025\CHEM20\METHODS\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	348710	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1311539	10.000	ng		0.00
53) Chlorobenzene-d5	10.617	82	703545	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	365181	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1311539	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.617	82	703545	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	950546	10.282	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.80%				
Target Compounds							Qvalue
2) Propylene	3.601	41	43844	0.998	ppbv		92
3) Dichlorodifluoromethane	3.666	85	103074	1.026	ppbv		97
4) Chloromethane	3.804	50	52239	1.105	ppbv		95
5) 1,2-Dichlorotetrafluor...	3.902	85	101875	1.078	ppbv		97
6) Vinyl Chloride	3.999	62	48605	1.092	ppbv		87
7) 1,3-Butadiene	4.112	54	44412	1.139	ppbv		94
8) Bromomethane	4.332	94	36951	1.014	ppbv#		86
9) Chloroethane	4.469	64	20786	0.998	ppbv		91
11) Ethanol	4.559	45	11325	0.800	ppbv#		46
12) Acetone	4.916	43	80011	1.008	ppbv#		77
13) Trichlorofluoromethane	5.037	101	106789	1.045	ppbv		99
14) Isopropylalcohol	5.086	45	80339	0.900	ppbv#		95
15) Acrylonitrile	5.248	53	25460	0.863	ppbv#		1
16) 1,1-Dichloroethene	5.481	61	84855	1.084	ppbv		96
17) Methylene Chloride	5.558	49	72125	1.112	ppbv#		84
20) Carbon Disulfide	5.778	76	110466	1.013	ppbv		96
21) Trichlorotrifluoroethane	5.737	101	82946	1.038	ppbv		97
22) Trans-1,2-Dichloroethene	6.178	61	76554	1.025	ppbv		88
23) 1,1-Dichloroethane	6.308	63	88898	1.021	ppbv		92
24) Methyl tert-butyl ethe...	6.339	73	103484	0.973	ppbv#		84
25) Methyl Ethyl Ketone	6.553	43	118252	1.017	ppbv#		93
26) Cis-1,2-Dichloroethene	6.834	61	73413	1.008	ppbv#		88
27) Hexane	6.958	57	82771	1.026	ppbv#		89
28) Chloroform	7.020	83	82185	0.983	ppbv		91
29) Ethyl acetate	6.950	61	15269	0.912	ppbv#		74
30) Tetrahydrofuran	7.275	42	62871	1.036	ppbv#		80
31) 1,2-Dichloroethane	7.477	62	67034	1.032	ppbv#		85
32) 1,1,1-Trichloroethane	7.640	97	81228	0.935	ppbv		95
33) Benzene	7.928	78	124397	0.971	ppbv#		93
34) Carbon Tetrachloride	8.023	117	76984	0.905	ppbv		99
35) Cyclohexane	8.101	84	47897	0.989	ppbv#		78
37) 1,2-dichloropropane	8.421	63	60919	0.979	ppbv#		81
38) Bromodichloromethane	8.534	83	87221	0.980	ppbv		95
39) Trichloroethene	8.559	130	54827	1.002	ppbv		89
40) 2,2,4-trimethylpentane	8.559	57	282269	1.085	ppbv		96
41) 1,4-Dioxane	8.551	88	19022	0.930	ppbv#		69
43) Heptane	8.698	43	117939	1.080	ppbv#		85
44) cis-1,3-Dichloropropene	9.053	75	69239	0.911	ppbv		99
45) 4-Methyl-2-pentanone(M...	9.053	43	141835	1.091	ppbv#		92
46) trans-1,3-Dichloropropene	9.342	75	50553	0.820	ppbv		98
47) 1,1,2-Trichloroethane	9.455	97	51997	0.975	ppbv		95
48) Toluene	9.623	91	158661	0.998	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_23.D
Acq On : 17 Dec 2025 11:30 am
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; TO1516S - 1ppb ccal; TO1516S
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 12:29:10 2025
Quant Method : H:\AIR2025\CHEM20\METHODS\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.870	129	86761	0.953	ppbv	99
50) 2-Hexanone(MBK)	9.736	43	100838	0.921	ppbv#	39
51) 1,2-Dibromoethane(EDB)	10.018	107	82485	0.961	ppbv	95
52) Tetrachloroethene	10.264	166	74738	1.004	ppbv	95
54) 1,1,1,2-Tetrachloroethane	10.632	131	54596	0.955	ppbv#	91
55) Chlorobenzene	10.647	112	113281	1.066	ppbv	95
56) Ethylbenzene	10.836	91	196167	1.050	ppbv	81
57) m,p-Xylene	10.935	91	306386	2.205	ppbv	100
58) Bromoform	11.011	173	74260	0.956	ppbv	98
59) Styrene	11.140	104	105957	1.003	ppbv#	51
60) 1,1,2,2-Tetrachloroethane	11.200	83	106626	1.032	ppbv	95
61) o-Xylene	11.200	91	153023	1.049	ppbv	92
64) Isopropylbenzene	11.526	105	215550	1.055	ppbv#	93
66) 4-Ethyltoluene	11.898	105	211279	1.050	ppbv#	87
67) 1,3,5-Trimethylbenzene	11.936	105	168962	1.042	ppbv#	90
68) 1,2,4-Trimethylbenzene	12.194	105	172004	1.039	ppbv	95
70) Benzyl chloride	12.286	91	62323	0.546	ppbv	98
71) 1,3-Dichlorobenzene	12.301	146	105870	0.999	ppbv#	91
72) 1,4-Dichlorobenzene	12.346	146	99824	1.007	ppbv	100
73) sec-Butylbenzene	12.354	105	263309	1.069	ppbv#	90
74) 4-Isopropyltoluene	12.445	119	236533	1.045	ppbv	100
75) 1,2-Dichlorobenzene	12.559	146	94946	0.970	ppbv	93
76) n-Butylbenzene	12.711	91	208809	1.029	ppbv	99
77) 1,2,4-Trichlorobenzene	13.706	180	51609	0.825	ppbv	98
78) Naphthalene	13.797	128	104468	0.800	ppbv#	96
79) Hexachlorobutadiene	14.047	225	71382	0.943	ppbv	98
81] 1,2-Dichlorotetrafluor...	3.902	85	101875	1.014	ppbv	97
82] Vinyl Chloride(sim)	3.994	62	53403	0.989	ppbv	97
83] Bromomethane(sim)	4.332	94	36951	0.891	ppbv#	86
84] Trichlorofluoromethane...	5.040	101	113265	1.003	ppbv#	99
85] 1,2-Dichloroethane(sim)	7.477	62	67034	0.940	ppbv#	10
86] 1,1,1-Trichloroethane(...	7.643	97	88360	0.891	ppbv#	97
87] Benzene(sim)	7.928	78	124397	0.871	ppbv#	93
88] Carbon Tetrachloride(sim)	8.026	117	80744	0.904	ppbv	100
89] 1,1-Dichloroethene(sim)	5.481	61	84855	0.980	ppbv	96
90] Trichlorotrifluoroetha...	5.734	101	88457	1.021	ppbv#	97
91] Trans-1,2-Dichloroethe...	6.178	61	76554	0.981	ppbv	88
92] 1,1-Dichloroethane(sim)	6.311	63	98991	0.950	ppbv#	96
93] Cis-1,2-Dichloroethene...	6.834	61	73413	0.921	ppbv#	88
94] Chloroform(sim)	7.023	83	88155	0.956	ppbv	97
96] 1,2-dichloropropane(sim)	8.415	63	69605	0.998	ppbv#	80
97] Bromodichloromethane(sim)	8.534	83	87221	0.950	ppbv	95
98] Trichloroethene(sim)	8.562	130	59444	0.932	ppbv	96
99] 1,4-Dioxane(sim)	8.551	88	19022	0.912	ppbv#	69
100] cis-1,3-Dichloropropen...	9.049	75	77215	0.895	ppbv	100
101] 1,1,2-Trichloroethane(...	9.455	97	51997	0.895	ppbv	95
102] Dibromochloromethane(sim)	9.873	129	90953	0.999	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.018	107	82485	0.897	ppbv	95
104] Tetrachloroethene(sim)	10.267	166	79732	0.956	ppbv	93
106] Bromoform(sim)	11.006	173	79117	0.984	ppbv	99
107] m,p-Xylene(sim)	10.935	91	306386	1.918	ppbv	96
108] 1,1,2,2-Tetrachloroeth...	11.196	83	113332	0.888	ppbv	98
109] Benzyl chloride(sim)	12.286	91	62323	0.547	ppbv	98
110] 1,3-Dichlorobenzene(sim)	12.304	146	119677	0.891	ppbv	97
111] 1,4-Dichlorobenzene(sim)	12.346	146	99824	0.859	ppbv	92

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_23.D
Acq On : 17 Dec 2025 11:30 am
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; TO1516S - 1ppb ccal; TO1516S
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 12:29:10 2025
Quant Method : H:\AIR2025\CHEM20\METHODS\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

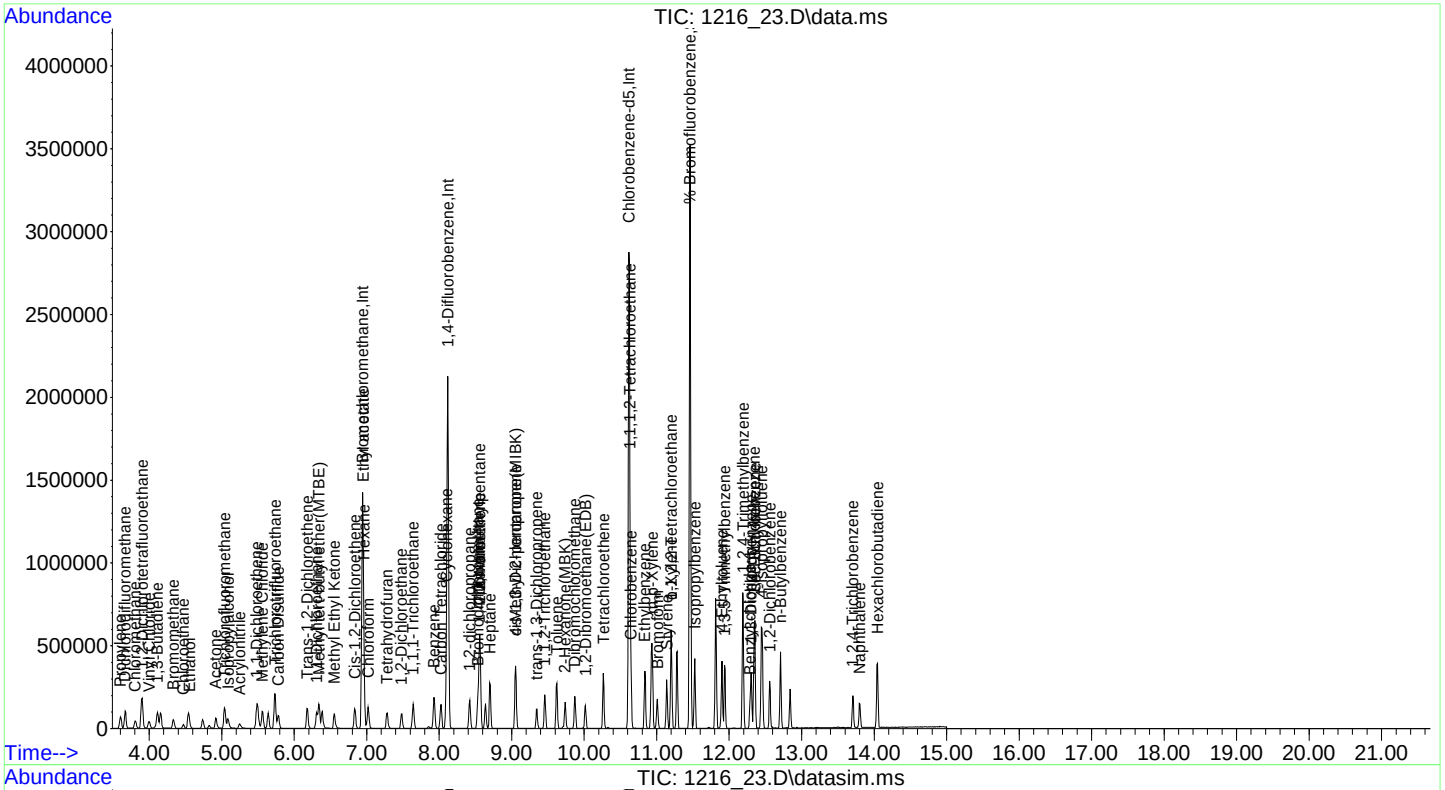
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.349	105	287748	0.973	ppbv	96
113] 4-Isopropyltoluene(sim)	12.445	119	236533	0.927	ppbv#	86
114] 1,2-Dichlorobenzene(sim)	12.562	146	103823	0.898	ppbv	98
115] n-Butylbenzene(sim)	12.711	91	208809	0.945	ppbv	99
116] 1,2,4-Trichlorobenzene...	13.709	180	57642	0.829	ppbv	100
118] Hexachlorobutadiene(sim)	14.043	225	79146	0.813	ppbv	99

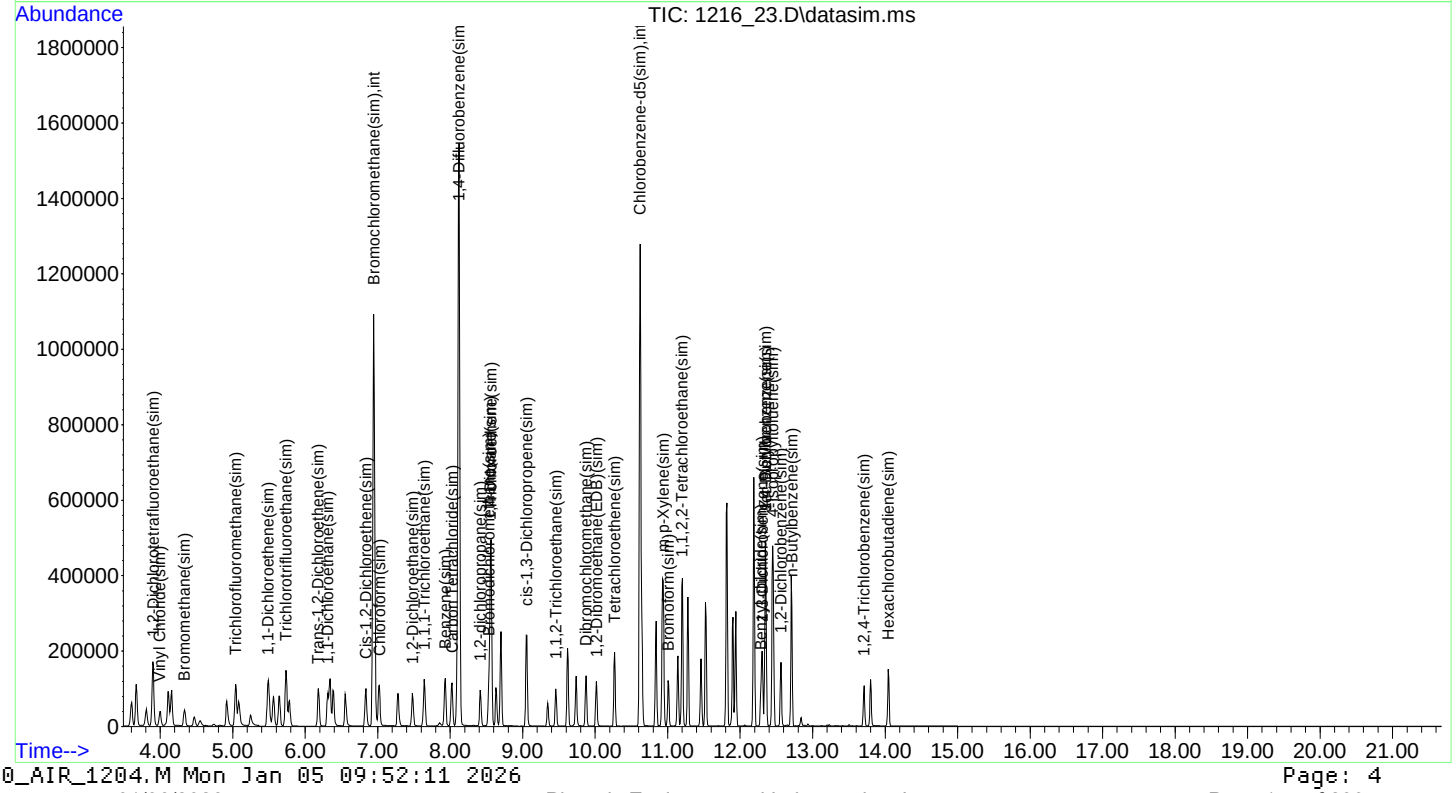
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_23.D
Acq On : 17 Dec 2025 11:30 am
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; TO1516S - 1ppb ccal; TO1516S
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 12:29:10 2025
Quant Method : H:\AIR2025\CHEM20\METHODS\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration





7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98120

Instrument: CHEM20 Calibration Date: 12/18/25 Time: 09:06

Lab File Id: 1216_45.D Init. Calib. Date(s): 12/04/25 12/04/25

Heated Purge (Y/N): Y Init. Calib. Times: 16:03 22:46

GC Column: RTX-1 60M Method File: 20_AIR_1204.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Propylene	1.259	1.420		-12.8	30
Dichlorodifluoromethane	2.881	3.015		-4.7	30
Chloromethane	1.355	1.734		-28.0	30
1,2-Dichlorotetrafluoroethane	2.710	2.981		-10.0	30
Vinyl Chloride	1.277	1.418		-11.0	30
1,3-Butadiene	1.118	1.319		-18.0	30
Bromomethane	1.045	1.052		-0.7	30
Chloroethane	0.597	0.582		2.5	30
Ethanol	0.406	0.323		20.4	30
Acetone	2.275	2.466		-8.4	30
Trichlorofluoromethane	2.932	3.114		-6.2	30
Isopropylalcohol	2.560	2.445		4.5	30
Acrylonitrile	0.846	0.858		-1.4	30
1,1-Dichloroethene	2.245	2.409		-7.3	30
Methylene Chloride	1.861	2.184		-17.4	30
Carbon Disulfide	3.128	3.136		-0.3	30
Trichlorotrifluoroethane	2.291	2.369		-3.4	30
Trans-1,2-Dichloroethene	2.142	2.192		-2.3	30
1,1-Dichloroethane	2.497	2.519		-0.9	30
Methyl tert-butyl ether(MTBE)	3.049	2.809		7.9	30
Methyl Ethyl Ketone	3.334	3.496		-4.9	30
Cis-1,2-Dichloroethene	2.089	2.137		-2.3	30
Hexane	2.313	2.397		-3.6	30
Chloroform	2.398	2.339		2.5	30
Ethyl acetate	0.480	0.417		13.1	30
Tetrahydrofuran	1.741	1.863		-7.0	30
1,2-Dichloroethane	1.862	1.931		-3.7	30
1,1,1-Trichloroethane	2.491	2.336		6.2	30
Benzene	3.675	3.422		6.9	30
Carbon Tetrachloride	2.440	2.363		3.2	30
Cyclohexane	1.389	1.352		2.7	30
1,2-dichloropropane	0.475	0.474		0.2	30
Bromodichloromethane	0.679	0.692		-1.9	30
Trichloroethene	0.417	0.422		-1.2	30
2,2,4-trimethylpentane	1.984	2.203		-11.0	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98120

Instrument: CHEM20 Calibration Date: 12/18/25 Time: 09:06

Lab File Id: 1216_45.D Init. Calib. Date(s): 12/04/25 12/04/25

Heated Purge (Y/N): Y Init. Calib. Times: 16:03 22:46

GC Column: RTX-1 60M Method File: 20_AIR_1204.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.156	0.143		8.3	30
Heptane	0.833	0.927		-11.3	30
cis-1,3-Dichloropropene	0.580	0.521		10.2	30
4-Methyl-2-pentanone(MIBK)	0.991	1.139		-14.9	30
trans-1,3-Dichloropropene	0.470	0.396		15.7	30
1,1,2-Trichloroethane	0.407	0.393		3.4	30
Toluene	1.212	1.158		4.5	30
Dibromochloromethane	0.694	0.705		-1.6	30
2-Hexanone(MBK)	0.835	0.891		-6.7	30
1,2-Dibromoethane(EDB)	0.654	0.617		5.7	30
Tetrachloroethene	0.567	0.552		2.6	30
1,1,1,2-Tetrachloroethane	0.813	0.810		0.4	30
Chlorobenzene	1.511	1.564		-3.5	30
Ethylbenzene	2.655	2.667		-0.5	30
m,p-Xylene	1.975	1.673		15.3	30
Bromoform	1.104	1.152		-4.3	30
Styrene	1.501	1.414		5.8	30
1,1,2,2-Tetrachloroethane	1.468	1.497		-2.0	30
o-Xylene	2.073	2.115		-2.0	30
Isopropylbenzene	2.903	3.022		-4.1	30
4-Ethyltoluene	2.860	2.883		-0.8	30
1,3,5-Trimethylbenzene	2.306	2.346		-1.7	30
1,2,4-Trimethylbenzene	2.353	2.348		0.2	30
Benzyl chloride	1.624	0.931		42.7 #	30
1,3-Dichlorobenzene	1.507	1.472		2.3	30
1,4-Dichlorobenzene	1.409	1.430		-1.5	30
sec-Butylbenzene	3.501	3.703		-5.8	30
4-Isopropyltoluene	3.216	3.307		-2.8	30
1,2-Dichlorobenzene	1.392	1.318		5.3	30
n-Butylbenzene	2.885	2.953		-2.4	30
1,2,4-Trichlorobenzene	0.889	0.693		22.0	30
Naphthalene	1.855	1.438		22.5	30
Hexachlorobutadiene	1.076	0.978		9.1	30
1,2-Dichlorotetrafluoroethane(sim)	2.752	2.778		-0.9	30
Vinyl Chloride(sim)	1.479	1.493		-0.9	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98120

Instrument: CHEM20 Calibration Date: 12/18/25 Time: 09:06

Lab File Id: 1216_45.D Init. Calib. Date(s): 12/04/25 12/04/25

Heated Purge (Y/N): Y Init. Calib. Times: 16:03 22:46

GC Column: RTX-1 60M Method File: 20_AIR_1204.M

COMPOUND		RRF	RRF50	RRF MIN	%D	% D LIMITS
Bromomethane(sim)		1.135	0.981		13.6	30
Trichlorofluoromethane(sim)		3.093	3.071		0.7	30
1,2-Dichloroethane(sim)		1.952	1.800		7.8	30
1,1,1-Trichloroethane(sim)		2.715	2.411		11.2	30
Benzene(sim)		3.911	3.190		18.4	30
Carbon Tetrachloride(sim)		2.446	2.342		4.3	30
1,1-Dichloroethene(sim)		2.371	2.245		5.3	30
Trichlorotrifluoroethane(sim)		2.372	2.349		1.0	30
Trans-1,2-Dichloroethene(sim)		2.137	2.043		4.4	30
1,1-Dichloroethane(sim)		2.852	2.667		6.5	30
Cis-1,2-Dichloroethene(sim)		2.184	1.992		8.8	30
Chloroform(sim)		2.526	2.367		6.3	30
1,2-dichloropropane(sim)		0.532	0.529		0.6	30
Bromodichloromethane(sim)		0.700	0.692		1.1	30
Trichloroethene(sim)		0.486	0.447		8.0	30
1,4-Dioxane(sim)		0.159	0.143		10.1	30
cis-1,3-Dichloropropene(sim)		0.658	0.590		10.3	30
1,1,2-Trichloroethane(sim)		0.443	0.393		11.3	30
Dibromochloromethane(sim)		0.694	0.743		-7.1	30
1,2-Dibromoethane(EDB)(sim)		0.701	0.617		12.0	30
Tetrachloroethene(sim)		0.636	0.608		4.4	30
Bromoform(sim)		1.143	1.245		-8.9	30
m,p-Xylene(sim)		2.271	2.091		7.9	30
1,1,2,2-Tetrachloroethane(sim)		1.813	1.594		12.1	30
Benzyl chloride(sim)		1.619	0.931		42.5 #	30
1,3-Dichlorobenzene(sim)		1.909	1.660		13.0	30
1,4-Dichlorobenzene(sim)		1.651	1.430		13.4	30
sec-Butylbenzene(sim)		4.204	4.013		4.5	30
4-Isopropyltoluene(sim)		3.625	3.307		8.8	30
1,2-Dichlorobenzene(sim)		1.642	1.473		10.3	30
n-Butylbenzene(sim)		3.140	2.953		6.0	30
1,2,4-Trichlorobenzene(sim)	qfi	1.000	0.83		17.0	20
Hexachlorobutadiene(sim)	qfi	1.000	0.82		18.0	20
% Bromofluorobenzene		1.314	1.320		-0.5	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_45.D
Acq On : 18 Dec 2025 9:06 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb ccal; TO1516S
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 18 11:25:46 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%
1	Int	Bromochloromethane	1.000	1.000	0.0	93
2		Propylene	1.259	1.420	-12.8	
3		Dichlorodifluoromethane	2.881	3.015	-4.7	
4		Chloromethane	1.355	1.734	-28.0	
5		1,2-Dichlorotetrafluoroetha	2.710	2.981	-10.0	
6		Vinyl Chloride	1.277	1.418	-11.0	
7		1,3-Butadiene	1.118	1.319	-18.0	
8		Bromomethane	1.045	1.052	-0.7	
9		Chloroethane	0.597	0.582	2.5	
11		Ethanol	0.406	0.323	20.4	
12		Acetone	2.275	2.466	-8.4	
13		Trichlorofluoromethane	2.932	3.114	-6.2	
14		Isopropylalcohol	2.560	2.445	4.5	
15		Acrylonitrile	0.846	0.858	-1.4	
16		1,1-Dichloroethene	2.245	2.409	-7.3	
17		Methylene Chloride	1.861	2.184	-17.4	
20		Carbon Disulfide	3.128	3.136	-0.3	
21		Trichlorotrifluoroethane	2.291	2.369	-3.4	
22		Trans-1,2-Dichloroethene	2.142	2.192	-2.3	
23		1,1-Dichloroethane	2.497	2.519	-0.9	
24		Methyl tert-butyl ether(MTB	3.049	2.809	7.9	
25		Methyl Ethyl Ketone	3.334	3.496	-4.9	
26		Cis-1,2-Dichloroethene	2.089	2.137	-2.3	
27		Hexane	2.313	2.397	-3.6	
28		Chloroform	2.398	2.339	2.5	
29		Ethyl acetate	0.480	0.417	13.1	
30		Tetrahydrofuran	1.741	1.863	-7.0	
31		1,2-Dichloroethane	1.862	1.931	-3.7	
32		1,1,1-Trichloroethane	2.491	2.336	6.2	
33		Benzene	3.675	3.422	6.9	
34		Carbon Tetrachloride	2.440	2.363	3.2	
35		Cyclohexane	1.389	1.352	2.7	
36	Int	1,4-Difluorobenzene	1.000	1.000	0.0	91
37		1,2-dichloropropane	0.475	0.474	0.2	
38		Bromodichloromethane	0.679	0.692	-1.9	
39		Trichloroethene	0.417	0.422	-1.2	
40		2,2,4-trimethylpentane	1.984	2.203	-11.0	
41		1,4-Dioxane	0.156	0.143	8.3	
43		Heptane	0.833	0.927	-11.3	
44		cis-1,3-Dichloropropene	0.580	0.521	10.2	
45		4-Methyl-2-pentanone(MIBK)	0.991	1.139	-14.9	
46		trans-1,3-Dichloropropene	0.470	0.396	15.7	
47		1,1,2-Trichloroethane	0.407	0.393	3.4	
48		Toluene	1.212	1.158	4.5	
49		Dibromochloromethane	0.694	0.705	-1.6	
50		2-Hexanone(MBK)	0.835	0.891	-6.7	
51		1,2-Dibromoethane(EDB)	0.654	0.617	5.7	
52		Tetrachloroethene	0.567	0.552	2.6	
53	Int	Chlorobenzene-d5	1.000	1.000	0.0	92

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_45.D
Acq On : 18 Dec 2025 9:06 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb ccal; TO1516S
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 18 11:25:46 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	
54		1,1,1,2-Tetrachloroethane	0.813	0.810	0.4		
55		Chlorobenzene	1.511	1.564	-3.5		
56		Ethylbenzene	2.655	2.667	-0.5		
57		m,p-Xylene	1.975	1.673	15.3		
58		Bromoform	1.104	1.152	-4.3		
59		Styrene	1.501	1.414	5.8		
60		1,1,2,2-Tetrachloroethane	1.468	1.497	-2.0		
61		o-Xylene	2.073	2.115	-2.0		
62	Surr	% Bromofluorobenzene	1.314	1.320	-0.5		
64		Isopropylbenzene	2.903	3.022	-4.1		
66		4-Ethyltoluene	2.860	2.883	-0.8		
67		1,3,5-Trimethylbenzene	2.306	2.346	-1.7		
68		1,2,4-Trimethylbenzene	2.353	2.348	0.2		
70		Benzyl chloride	1.624	0.931	42.7#		
71		1,3-Dichlorobenzene	1.507	1.472	2.3		
72		1,4-Dichlorobenzene	1.409	1.430	-1.5		
73		sec-Butylbenzene	3.501	3.703	-5.8		
74		4-Isopropyltoluene	3.216	3.307	-2.8		
75		1,2-Dichlorobenzene	1.392	1.318	5.3		
76		n-Butylbenzene	2.885	2.953	-2.4		
77		1,2,4-Trichlorobenzene	0.889	0.693	22.0		
78		Naphthalene	1.855	1.438	22.5		
79		Hexachlorobutadiene	1.076	0.978	9.1		
80	int	Bromochloromethane(sim)	1.000	1.000	0.0	97	
81		1,2-Dichlorotetrafluoroetha	2.752	2.778	-0.9		
82		Vinyl Chloride(sim)	1.479	1.493	-0.9		
83		Bromomethane(sim)	1.135	0.981	13.6		
84		Trichlorofluoromethane(sim)	3.093	3.071	0.7		
85		1,2-Dichloroethane(sim)	1.952	1.800	7.8		
86		1,1,1-Trichloroethane(sim)	2.715	2.411	11.2		
87		Benzene(sim)	3.911	3.190	18.4		
88		Carbon Tetrachloride(sim)	2.446	2.342	4.3		
89		1,1-Dichloroethene(sim)	2.371	2.245	5.3		
90		Trichlorotrifluoroethane(si	2.372	2.349	1.0		
91		Trans-1,2-Dichloroethene(si	2.137	2.043	4.4		
92		1,1-Dichloroethane(sim)	2.852	2.667	6.5		
93		Cis-1,2-Dichloroethene(sim)	2.184	1.992	8.8		
94		Chloroform(sim)	2.526	2.367	6.3		
95	int	1,4-Difluorobenzene(sim)	1.000	1.000	0.0	91	
96		1,2-dichloropropane(sim)	0.532	0.529	0.6		
97		Bromodichloromethane(sim)	0.700	0.692	1.1		
98		Trichloroethene(sim)	0.486	0.447	8.0		
99		1,4-Dioxane(sim)	0.159	0.143	10.1		
100		cis-1,3-Dichloropropene(sim	0.658	0.590	10.3		
101		1,1,2-Trichloroethane(sim)	0.443	0.393	11.3		
102		Dibromochloromethane(sim)	0.694	0.743	-7.1		
103		1,2-Dibromoethane(EDB)(sim)	0.701	0.617	12.0		
104		Tetrachloroethene(sim)	0.636	0.608	4.4		

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_45.D
Acq On : 18 Dec 2025 9:06 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb ccal; TO1516S
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 18 11:25:46 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%
105	int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	92
106		Bromoform(sim)	1.143	1.245	-8.9	
107		m,p-Xylene(sim)	2.271	2.091	7.9	
108		1,1,2,2-Tetrachloroethane(s	1.813	1.594	12.1	
109		Benzyl chloride(sim)	1.619	0.931	42.5#	
110		1,3-Dichlorobenzene(sim)	1.909	1.660	13.0	
111		1,4-Dichlorobenzene(sim)	1.651	1.430	13.4	
112		sec-Butylbenzene(sim)	4.204	4.013	4.5	
113		4-Isopropyltoluene(sim)	3.625	3.307	8.8	
114		1,2-Dichlorobenzene(sim)	1.642	1.473	10.3	
115		n-Butylbenzene(sim)	3.140	2.953	6.0	
116	qf	1,2,4-Trichlorobenzene(sim)	1.000	0.829	17.1#	
118	qf	Hexachlorobutadiene(sim)	1.000	0.825	17.5#	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
Laboratory Warning Limits Out = 0

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_45.D
Acq On : 18 Dec 2025 9:06 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb ccal; TO1516S
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 18 11:25:46 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.950	130	277944	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1041741	10.000	ng		0.00
53) Chlorobenzene-d5	10.624	82	562724	10.000	ng		0.00
80) Bromochloromethane(sim)	6.953	130	298195	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1041741	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.624	82	562724	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.466	95	742592	10.043	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.40%				
Target Compounds							Qvalue
2) Propylene	3.609	41	39459	1.127	ppbv		87
3) Dichlorodifluoromethane	3.674	85	83799	1.046	ppbv#		97
4) Chloromethane	3.820	50	48202	1.279	ppbv		94
5) 1,2-Dichlorotetrafluor...	3.901	85	82850	1.100	ppbv		98
6) Vinyl Chloride	4.007	62	39423	1.111	ppbv		91
7) 1,3-Butadiene	4.120	54	36648	1.179	ppbv		91
8) Bromomethane	4.340	94	29241	1.006	ppbv#		86
9) Chloroethane	4.477	64	16173	0.974	ppbv		88
11) Ethanol	4.567	45	8980	0.795	ppbv#		54
12) Acetone	4.924	43	68543	1.084	ppbv#		78
13) Trichlorofluoromethane	5.045	101	86550	1.062	ppbv		98
14) Isopropylalcohol	5.094	45	67946	0.955	ppbv#		98
15) Acrylonitrile	5.248	53	23842	1.014	ppbv#		1
16) 1,1-Dichloroethene	5.487	61	66954	1.073	ppbv		95
17) Methylene Chloride	5.564	49	60690	1.174	ppbv#		80
20) Carbon Disulfide	5.784	76	87161	1.003	ppbv		98
21) Trichlorotrifluoroethane	5.737	101	65850	1.034	ppbv		96
22) Trans-1,2-Dichloroethene	6.183	61	60919	1.023	ppbv#		85
23) 1,1-Dichloroethane	6.313	63	70006	1.009	ppbv		91
24) Methyl tert-butyl ethe...	6.344	73	78079	0.921	ppbv#		82
25) Methyl Ethyl Ketone	6.558	43	97176	1.049	ppbv#		93
26) Cis-1,2-Dichloroethene	6.841	61	59410	1.023	ppbv#		87
27) Hexane	6.965	57	66627	1.037	ppbv#		93
28) Chloroform	7.020	83	65014	0.975	ppbv		90
29) Ethyl acetate	6.958	61	11580	0.868	ppbv#		71
30) Tetrahydrofuran	7.283	42	51778	1.070	ppbv#		76
31) 1,2-Dichloroethane	7.485	62	53683	1.037	ppbv#		82
32) 1,1,1-Trichloroethane	7.647	97	64932	0.938	ppbv#		94
33) Benzene	7.937	78	95110	0.931	ppbv#		92
34) Carbon Tetrachloride	8.023	117	65668	0.968	ppbv		98
35) Cyclohexane	8.101	84	37582	0.974	ppbv#		75
37) 1,2-dichloropropane	8.421	63	49392	0.999	ppbv#		81
38) Bromodichloromethane	8.533	83	72125	1.020	ppbv		97
39) Trichloroethene	8.559	130	43918	1.011	ppbv		85
40) 2,2,4-trimethylpentane	8.568	57	229534	1.111	ppbv		97
41) 1,4-Dioxane	8.551	88	14909	0.918	ppbv#		65
43) Heptane	8.706	43	96566	1.113	ppbv#		83
44) cis-1,3-Dichloropropene	9.053	75	54276	0.899	ppbv		98
45) 4-Methyl-2-pentanone(M...	9.060	43	118640	1.149	ppbv#		89
46) trans-1,3-Dichloropropene	9.349	75	41301	0.843	ppbv		99
47) 1,1,2-Trichloroethane	9.461	97	40949	0.967	ppbv		98
48) Toluene	9.623	91	120655	0.956	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_45.D
Acq On : 18 Dec 2025 9:06 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb ccal; TO1516S
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 18 11:25:46 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	9.877	129	73457	1.016	ppbv	98
50)	2-Hexanone(MBK)	9.743	43	92818	1.067	ppbv#	43
51)	1,2-Dibromoethane(EDB)	10.018	107	64229	0.942	ppbv	97
52)	Tetrachloroethene	10.271	166	57489	0.973	ppbv	95
54)	1,1,1,2-Tetrachloroethane	10.632	131	45599	0.997	ppbv#	92
55)	Chlorobenzene	10.647	112	87989	1.035	ppbv	96
56)	Ethylbenzene	10.844	91	150054	1.004	ppbv	82
57)	m,p-Xylene	10.935	91	235367	2.117	ppbv	100
58)	Bromoform	11.011	173	64839	1.044	ppbv	98
59)	Styrene	11.140	104	79549	0.942	ppbv#	48
60)	1,1,2,2-Tetrachloroethane	11.200	83	84264	1.020	ppbv	97
61)	o-Xylene	11.208	91	118995	1.020	ppbv	93
64)	Isopropylbenzene	11.526	105	170030	1.041	ppbv#	93
66)	4-Ethyltoluene	11.898	105	162221	1.008	ppbv#	88
67)	1,3,5-Trimethylbenzene	11.944	105	132013	1.017	ppbv#	90
68)	1,2,4-Trimethylbenzene	12.194	105	132150	0.998	ppbv	95
70)	Benzyl chloride	12.285	91	52402	0.574	ppbv	99
71)	1,3-Dichlorobenzene	12.308	146	82811	0.977	ppbv#	91
72)	1,4-Dichlorobenzene	12.346	146	80463	1.014	ppbv	100
73)	sec-Butylbenzene	12.354	105	208391	1.058	ppbv#	89
74)	4-Isopropyltoluene	12.445	119	186071	1.028	ppbv	100
75)	1,2-Dichlorobenzene	12.566	146	74171	0.947	ppbv	93
76)	n-Butylbenzene	12.711	91	166173	1.024	ppbv	98
77)	1,2,4-Trichlorobenzene	13.713	180	39008	0.780	ppbv	95
78)	Naphthalene	13.804	128	80921	0.775	ppbv#	96
79)	Hexachlorobutadiene	14.047	225	55055	0.910	ppbv	99
81]	1,2-Dichlorotetrafluor...	3.901	85	82850	1.009	ppbv	98
82]	Vinyl Chloride(sim)	4.002	62	44533	1.010	ppbv	96
83]	Bromomethane(sim)	4.340	94	29241	0.864	ppbv#	86
84]	Trichlorofluoromethane...	5.048	101	91577	0.993	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.485	62	53683	0.922	ppbv#	5
86]	1,1,1-Trichloroethane(...	7.650	97	71894	0.888	ppbv#	94
87]	Benzene(sim)	7.937	78	95110	0.815	ppbv#	92
88]	Carbon Tetrachloride(sim)	8.026	117	69829	0.958	ppbv	99
89]	1,1-Dichloroethene(sim)	5.487	61	66954	0.947	ppbv	95
90]	Trichlorotrifluoroetha...	5.740	101	70060	0.991	ppbv#	97
91]	Trans-1,2-Dichloroethe...	6.183	61	60919	0.956	ppbv#	85
92]	1,1-Dichloroethane(sim)	6.316	63	79525	0.935	ppbv#	96
93]	Cis-1,2-Dichloroethene...	6.841	61	59410	0.912	ppbv#	87
94]	Chloroform(sim)	7.022	83	70573	0.937	ppbv	96
96]	1,2-dichloropropane(sim)	8.424	63	55085	0.994	ppbv#	83
97]	Bromodichloromethane(sim)	8.533	83	72125	0.989	ppbv	96
98]	Trichloroethene(sim)	8.562	130	46578	0.920	ppbv	96
99]	1,4-Dioxane(sim)	8.551	88	14909	0.900	ppbv#	65
100]	cis-1,3-Dichloropropen...	9.056	75	61483	0.897	ppbv	100
101]	1,1,2-Trichloroethane(...	9.461	97	40949	0.888	ppbv	98
102]	Dibromochloromethane(sim)	9.873	129	77369	1.069	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.018	107	64229	0.879	ppbv	97
104]	Tetrachloroethene(sim)	10.267	166	63323	0.956	ppbv	95
106]	Bromoform(sim)	11.014	173	70075	1.090	ppbv	99
107]	m,p-Xylene(sim)	10.935	91	235367	1.842	ppbv	96
108]	1,1,2,2-Tetrachloroeth...	11.203	83	89692	0.879	ppbv	98
109]	Benzyl chloride(sim)	12.285	91	52402	0.575	ppbv	99
110]	1,3-Dichlorobenzene(sim)	12.304	146	93428	0.870	ppbv	96
111]	1,4-Dichlorobenzene(sim)	12.346	146	80463	0.866	ppbv	91

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_45.D
Acq On : 18 Dec 2025 9:06 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb ccal; TO1516S
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 18 11:25:46 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

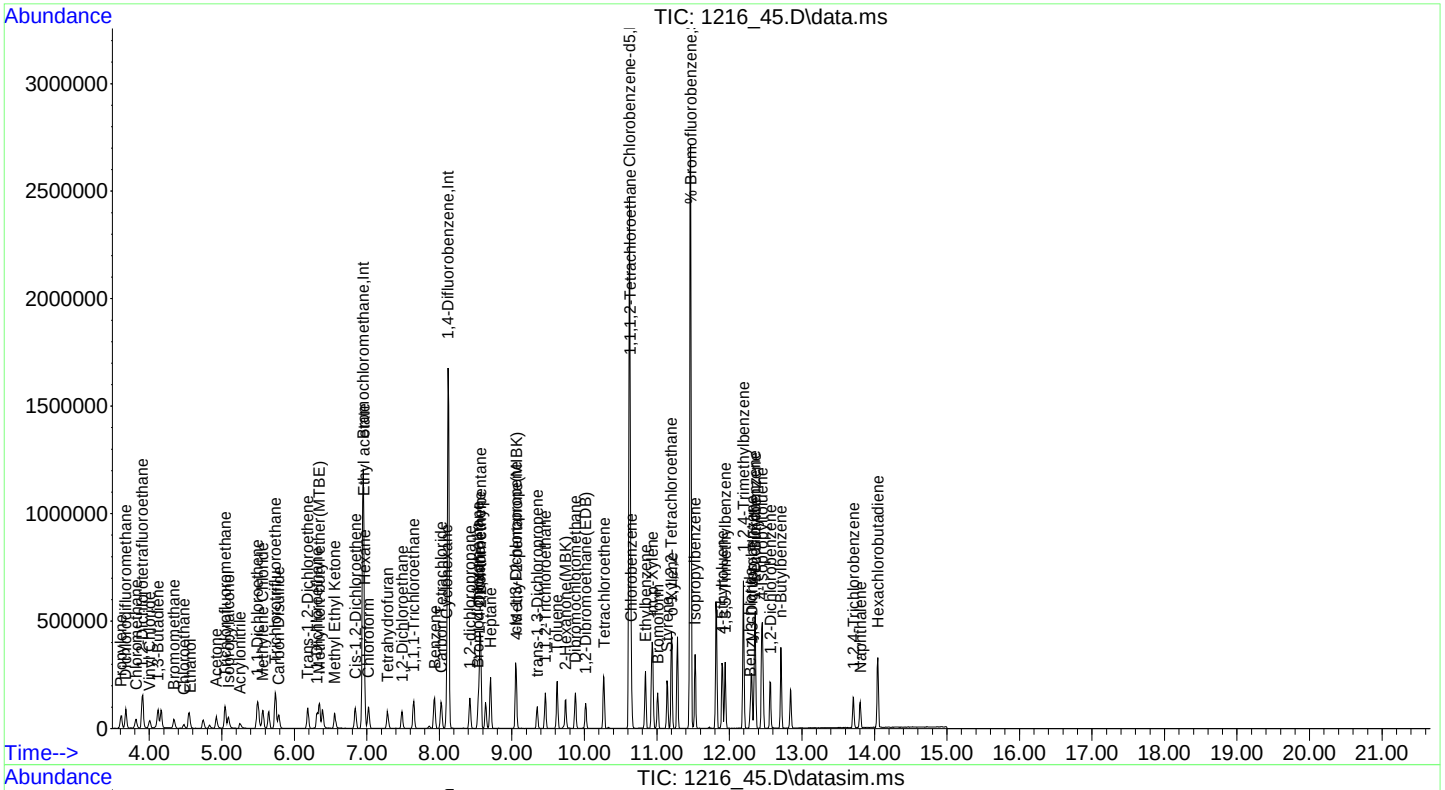
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.357	105	225794	0.954	ppbv	96
113] 4-Isopropyltoluene(sim)	12.445	119	186071	0.912	ppbv#	86
114] 1,2-Dichlorobenzene(sim)	12.562	146	82874	0.897	ppbv	97
115] n-Butylbenzene(sim)	12.711	91	166173	0.940	ppbv	98
116] 1,2,4-Trichlorobenzene...	13.709	180	46081	0.829	ppbv	99
118] Hexachlorobutadiene(sim)	14.050	225	64137	0.825	ppbv	99

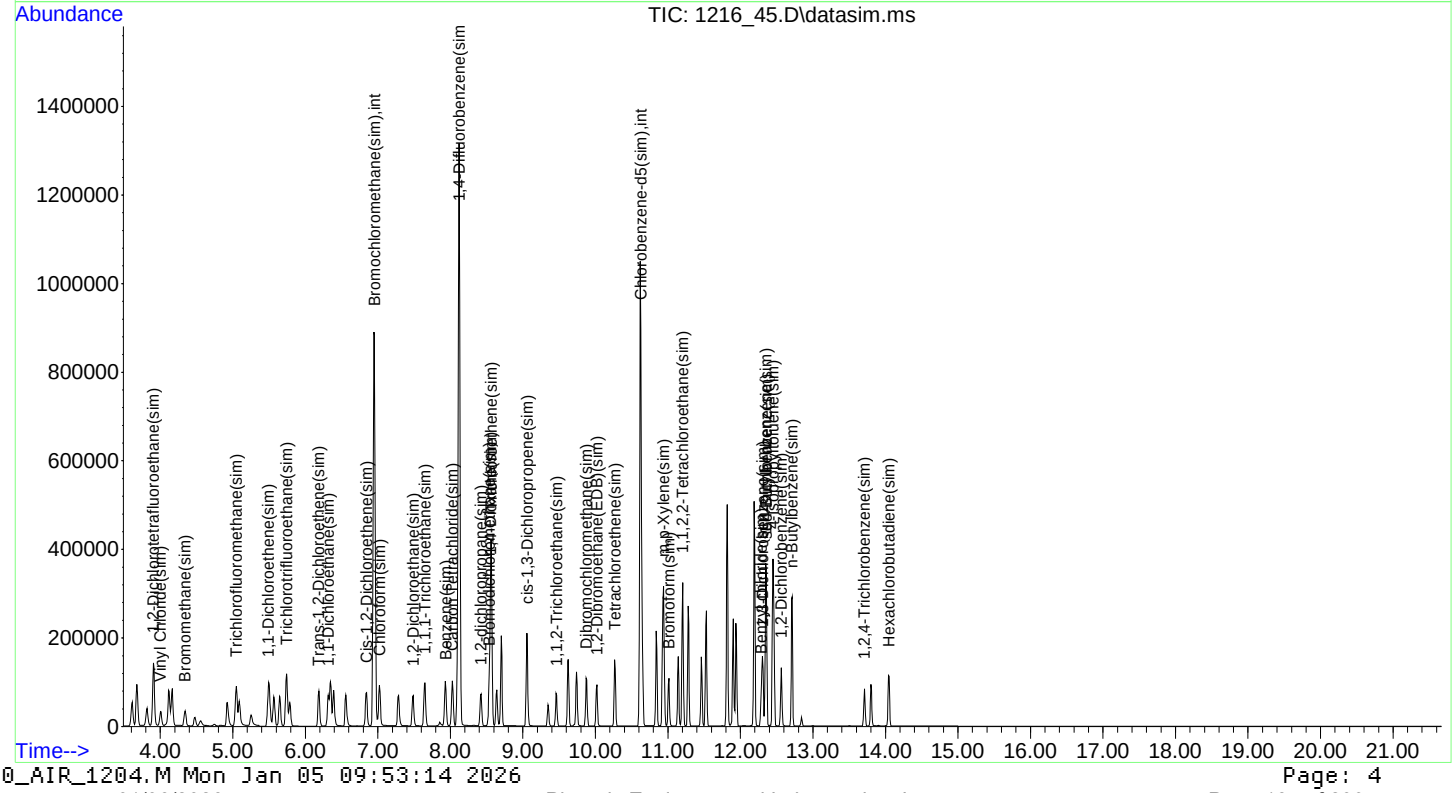
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_45.D
Acq On : 18 Dec 2025 9:06 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb ccal; TO1516S
ALS Vial : 41 Sample Multiplier: 1

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Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration





1

AIR ANALYSIS DATA SHEET

CLIENT ID: CU98007 LCS

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98007 LCS

Canister: LCS Lab File ID: 1216_25.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	5.56		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	10.1		0.202	0.202	r
74-87-3	Chloromethane	10.8		0.485	0.485	r
76-14-2	1,2-Dichlorotetrafluoroethane	10.0		0.143	0.143	r
75-01-4	Vinyl Chloride	10.4		0.078	0.078	r
106-99-0	1,3-Butadiene	10.5		0.452	0.452	r
74-83-9	Bromomethane	9.25		0.258	0.258	r
75-00-3	Chloroethane	9.56		0.379	0.379	r
64-17-5	Ethanol	13.3		0.531	0.531	r
67-64-1	Acetone	10.8		0.421	0.421	r
75-69-4	Trichlorofluoromethane	9.70		0.178	0.178	r
67-63-0	Isopropylalcohol	11.5		0.407	0.407	r
107-13-1	Acrylonitrile	15.3		0.461	0.461	r
75-35-4	1,1-Dichloroethene	9.99		0.051	0.051	r
75-09-2	Methylene Chloride	10.1		0.863	0.863	r
75-15-0	Carbon Disulfide	9.00		0.321	0.321	r
76-13-1	Trichlorotrifluoroethane	8.96		0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene	10.3		0.252	0.252	r
75-34-3	1,1-Dichloroethane	9.77		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	9.36		0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	10.4		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	9.95		0.051	0.051	r
110-54-3	Hexane	10.1		0.284	0.284	r
67-66-3	Chloroform	9.74		0.205	0.205	r
141-78-6	Ethyl acetate	11.0		0.278	0.278	r
109-99-9	Tetrahydrofuran	10.4		0.339	0.339	r
107-06-2	1,2-Dichloroethane	10.4		0.247	0.247	r
71-55-6	1,1,1-Trichloroethane	9.42		0.183	0.183	r
71-43-2	Benzene	9.63		0.313	0.313	r
56-23-5	Carbon Tetrachloride	9.61		0.032	0.032	r
110-82-7	Cyclohexane	9.28		0.291	0.291	r
78-87-5	1,2-dichloropropane	9.99		0.217	0.217	r
75-27-4	Bromodichloromethane	10.2		0.149	0.149	r
79-01-6	Trichloroethene	9.31		0.037	0.037	r
540-84-1	2,2,4-trimethylpentane	9.92		0.215	0.215	r
123-91-1	1,4-Dioxane	13.0		0.278	0.278	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

CLIENT ID

AIR ANALYSIS DATA SHEET

CU98007 LCS

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98007 LCS

Canister: LCS Lab File ID: 1216_25.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
142-82-5	Heptane	10.4		0.244	0.244	r
10061-01-5	cis-1,3-Dichloropropene	9.61		0.220	0.220	r
108-10-1	4-Methyl-2-pentanone(MIBK)	11.6		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	9.69		0.220	0.220	r
79-00-5	1,1,2-Trichloroethane	9.93		0.183	0.183	r
108-88-3	Toluene	9.61		0.266	0.266	r
124-48-1	Dibromochloromethane	10.3		0.117	0.117	r
591-78-6	2-Hexanone(MBK)	13.1		0.244	0.244	r
106-93-4	1,2-Dibromoethane(EDB)	10.0		0.130	0.130	r
127-18-4	Tetrachloroethene	9.69		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	9.07		0.146	0.146	r
108-90-7	Chlorobenzene	9.55		0.217	0.217	r
100-41-4	Ethylbenzene	9.47		0.230	0.230	r
179601-23-1	m,p-Xylene	19.1		0.230	0.230	r
75-25-2	Bromoform	10.2		0.097	0.097	r
100-42-5	Styrene	9.44		0.235	0.235	r
79-34-5	1,1,2,2-Tetrachloroethane	9.87		0.146	0.146	r
95-47-6	o-Xylene	9.29		0.230	0.230	r
98-82-8	Isopropylbenzene	8.98		0.204	0.204	r
622-96-8	4-Ethyltoluene	9.66		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	9.44		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	9.78		0.204	0.204	r
100-44-7	Benzyl chloride	8.96		0.193	0.193	r
541-73-1	1,3-Dichlorobenzene	9.76		0.166	0.166	r
106-46-7	1,4-Dichlorobenzene	9.99		0.166	0.166	r
135-98-8	sec-Butylbenzene	8.85		0.182	0.182	r
99-87-6	4-Isopropyltoluene	8.90		0.182	0.182	r
95-50-1	1,2-Dichlorobenzene	10.1		0.166	0.166	r
104-51-8	n-Butylbenzene	9.32		0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene	10.8		0.135	0.135	r
91-20-3	Naphthalene	11.4		0.200	0.200	r
87-68-3	Hexachlorobutadiene	9.13		0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_25.D
Acq On : 17 Dec 2025 12:37 pm
Operator :
Client ID : CU98007 LCS
Lab ID : CU98007 LCS
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 18 11:29:42 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	330244	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1255950	10.000	ng		0.00
53) Chlorobenzene-d5	10.616	82	746432	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	350054	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1255950	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.616	82	746432	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	973774	9.928	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.30%				
Target Compounds							Qvalue
2) Propylene	3.593	41	231057m	5.555	ppbv		90
3) Dichlorodifluoromethane	3.666	85	961875	10.108	ppbv		98
4) Chloromethane	3.804	50	481587	10.759	ppbv		94
5) 1,2-Dichlorotetrafluor...	3.893	85	896772	10.021	ppbv		97
6) Vinyl Chloride	3.999	62	437019	10.364	ppbv		90
7) 1,3-Butadiene	4.112	54	387828	10.504	ppbv		93
8) Bromomethane	4.331	94	319468	9.253	ppbv#		87
9) Chloroethane	4.469	64	188565	9.562	ppbv		90
11) Ethanol	4.550	45	178934	13.338	ppbv#		41
12) Acetone	4.907	43	811126	10.794	ppbv#		78
13) Trichlorofluoromethane	5.037	101	939323	9.702	ppbv		98
14) Isopropylalcohol	5.078	45	967992	11.452	ppbv#		95
15) Acrylonitrile	5.232	53	426248	15.254	ppbv#		1
16) 1,1-Dichloroethene	5.481	61	740792	9.992	ppbv		92
17) Methylene Chloride	5.558	49	618655	10.069	ppbv#		79
20) Carbon Disulfide	5.773	76	929744	9.001	ppbv		96
21) Trichlorotrifluoroethane	5.731	101	678071	8.963	ppbv		95
22) Trans-1,2-Dichloroethene	6.178	61	724708	10.246	ppbv		88
23) 1,1-Dichloroethane	6.308	63	805519	9.769	ppbv		92
24) Methyl tert-butyl ethe...	6.339	73	942309	9.358	ppbv#		85
25) Methyl Ethyl Ketone	6.548	43	1145846	10.407	ppbv#		92
26) Cis-1,2-Dichloroethene	6.834	61	686432	9.948	ppbv		88
27) Hexane	6.958	57	767574	10.050	ppbv#		89
28) Chloroform	7.020	83	770928	9.735	ppbv		91
29) Ethyl acetate	6.950	61	175024	11.040	ppbv#		73
30) Tetrahydrofuran	7.275	42	598070	10.403	ppbv#		80
31) 1,2-Dichloroethane	7.485	62	640554	10.417	ppbv#		85
32) 1,1,1-Trichloroethane	7.640	97	775193	9.422	ppbv		95
33) Benzene	7.928	78	1168702	9.629	ppbv#		93
34) Carbon Tetrachloride	8.023	117	773948	9.606	ppbv		99
35) Cyclohexane	8.101	84	425432	9.276	ppbv#		83
37) 1,2-dichloropropane	8.421	63	595236	9.986	ppbv#		80
38) Bromodichloromethane	8.534	83	865623	10.154	ppbv		95
39) Trichloroethene	8.559	130	487509	9.307	ppbv		87
40) 2,2,4-trimethylpentane	8.559	57	2472777	9.924	ppbv		98
41) 1,4-Dioxane	8.542	88	253910	12.964	ppbv#		83
43) Heptane	8.698	43	1083316	10.360	ppbv#		85
44) cis-1,3-Dichloropropene	9.046	75	699502	9.606	ppbv		98
45) 4-Methyl-2-pentanone(M...	9.053	43	1448919	11.642	ppbv#		92
46) trans-1,3-Dichloropropene	9.342	75	571895	9.686	ppbv		99
47) 1,1,2-Trichloroethane	9.462	97	506769	9.926	ppbv		97
48) Toluene	9.623	91	1462743	9.612	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_25.D
Acq On : 17 Dec 2025 12:37 pm
Operator :
Client ID : CU98007 LCS
Lab ID : CU98007 LCS
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 18 11:29:42 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	9.870	129	894030	10.254	ppbv	98
50)	2-Hexanone(MBK)	9.736	43	1373259	13.092	ppbv#	39
51)	1,2-Dibromoethane(EDB)	10.018	107	825020	10.038	ppbv	95
52)	Tetrachloroethene	10.264	166	690760	9.693	ppbv	97
54)	1,1,1,2-Tetrachloroethane	10.632	131	550560	9.073	ppbv#	92
55)	Chlorobenzene	10.647	112	1076293	9.545	ppbv	89
56)	Ethylbenzene	10.836	91	1876563	9.467	ppbv	82
57)	m,p-Xylene	10.935	91	2808438	19.048	ppbv	100
58)	Bromoform	11.011	173	836898	10.154	ppbv	98
59)	Styrene	11.140	104	1057365	9.435	ppbv#	50
60)	1,1,2,2-Tetrachloroethane	11.200	83	1081918	9.872	ppbv	96
61)	o-Xylene	11.200	91	1437749	9.290	ppbv	92
64)	Isopropylbenzene	11.526	105	1946513	8.982	ppbv#	93
66)	4-Ethyltoluene	11.898	105	2061671	9.658	ppbv#	89
67)	1,3,5-Trimethylbenzene	11.936	105	1624340	9.438	ppbv#	90
68)	1,2,4-Trimethylbenzene	12.194	105	1718319	9.782	ppbv	95
70)	Benzyl chloride	12.286	91	1085537	8.957	ppbv	99
71)	1,3-Dichlorobenzene	12.301	146	1097222	9.756	ppbv#	93
72)	1,4-Dichlorobenzene	12.346	146	1051277	9.992	ppbv	100
73)	sec-Butylbenzene	12.354	105	2313829	8.853	ppbv#	90
74)	4-Isopropyltoluene	12.445	119	2135482	8.895	ppbv	100
75)	1,2-Dichlorobenzene	12.559	146	1045496	10.063	ppbv	94
76)	n-Butylbenzene	12.711	91	2007051	9.321	ppbv	99
77)	1,2,4-Trichlorobenzene	13.706	180	719235	10.837	ppbv	98
78)	Naphthalene	13.797	128	1571468	11.349	ppbv#	95
79)	Hexachlorobutadiene	14.040	225	733769	9.139	ppbv	98
81]	1,2-Dichlorotetrafluor...	3.893	85	896737	9.307	ppbv	97
82]	Vinyl Chloride(sim)	3.994	62	479451	9.262	ppbv	97
83]	Bromomethane(sim)	4.331	94	319468	8.040	ppbv#	87
84]	Trichlorofluoromethane...	5.040	101	985782	9.105	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.485	62	640554	9.374	ppbv#	10
86]	1,1,1-Trichloroethane(...	7.643	97	834893	8.784	ppbv#	96
87]	Benzene(sim)	7.928	78	1168702	8.536	ppbv#	93
88]	Carbon Tetrachloride(sim)	8.026	117	802877	9.378	ppbv	99
89]	1,1-Dichloroethene(sim)	5.481	61	740792	8.924	ppbv	92
90]	Trichlorotrifluoroetha...	5.728	101	704309	8.483	ppbv#	95
91]	Trans-1,2-Dichloroethe...	6.178	61	724708	9.690	ppbv	88
92]	1,1-Dichloroethane(sim)	6.311	63	896140	8.975	ppbv#	97
93]	Cis-1,2-Dichloroethene...	6.834	61	686057	8.975	ppbv	88
94]	Chloroform(sim)	7.023	83	814570	9.211	ppbv	97
96]	1,2-dichloropropane(sim)	8.415	63	669899	10.030	ppbv#	80
97]	Bromodichloromethane(sim)	8.534	83	865623	9.845	ppbv	95
98]	Trichloroethene(sim)	8.562	130	518927	8.498	ppbv	97
99]	1,4-Dioxane(sim)	8.542	88	253910	12.707	ppbv#	83
100]	cis-1,3-Dichloropropen...	9.049	75	778143	9.417	ppbv	100
101]	1,1,2-Trichloroethane(...	9.462	97	506769	9.111	ppbv	97
102]	Dibromochloromethane(sim)	9.873	129	930020	10.663	ppbv	100
103]	1,2-Dibromoethane(EDB)...	10.018	107	825020	9.364	ppbv	95
104]	Tetrachloroethene(sim)	10.267	166	728575	9.127	ppbv	94
106]	Bromoform(sim)	11.006	173	876426	10.273	ppbv	99
107]	m,p-Xylene(sim)	10.935	91	2812451	16.592	ppbv	95
108]	1,1,2,2-Tetrachloroeth...	11.196	83	1110718	8.207	ppbv	98
109]	Benzyl chloride(sim)	12.286	91	1085537	8.980	ppbv	99
110]	1,3-Dichlorobenzene(sim)	12.304	146	1226038	8.606	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.346	146	1051277	8.530	ppbv	92

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_25.D
Acq On : 17 Dec 2025 12:37 pm
Operator :
Client ID : CU98007 LCS
Lab ID : CU98007 LCS
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 18 11:29:42 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

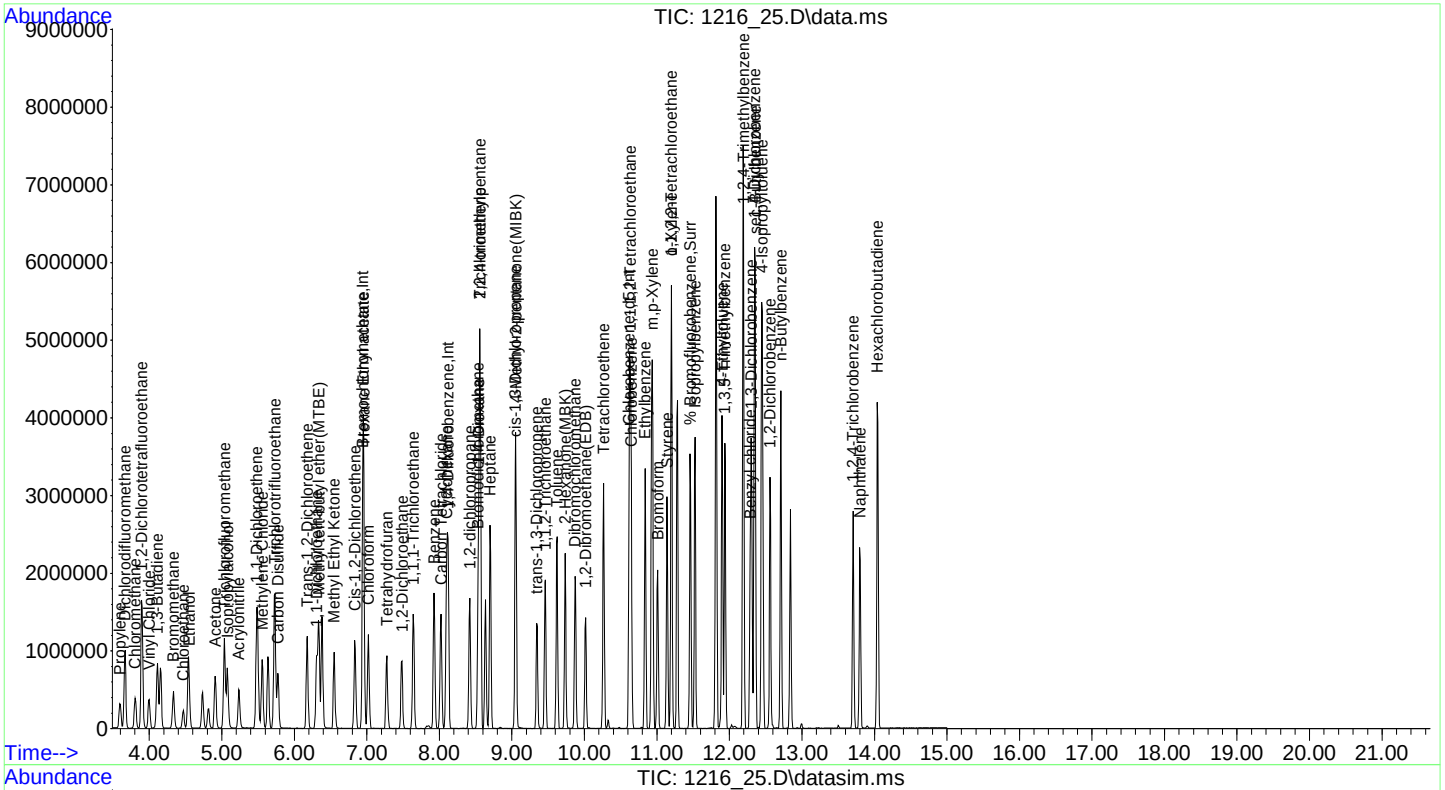
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.357	105	2464843	7.855	ppbv	96
113] 4-Isopropyltoluene(sim)	12.445	119	2135482	7.891	ppbv#	85
114] 1,2-Dichlorobenzene(sim)	12.562	146	1148294	9.366	ppbv	98
115] n-Butylbenzene(sim)	12.711	91	2007051	8.563	ppbv	99
116] 1,2,4-Trichlorobenzene...	13.709	180	796422	11.716	ppbv	100

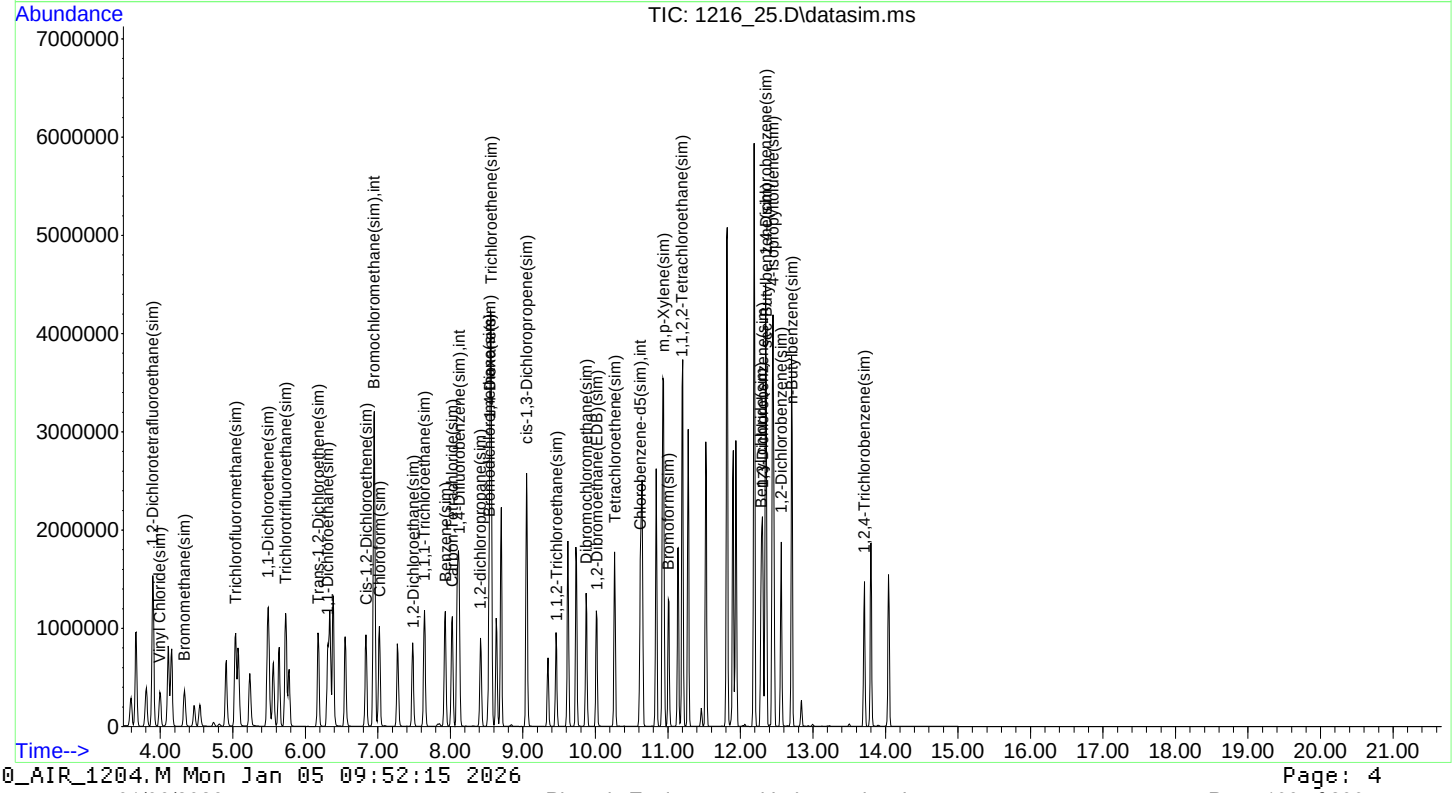
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_25.D
Acq On : 17 Dec 2025 12:37 pm
Operator :
Client ID : CU98007 LCS
Lab ID : CU98007 LCS
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 18 11:29:42 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration





1

AIR ANALYSIS DATA SHEET

CLIENT ID: CU98007 QC

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98007

Canister: 49195 Lab File ID: 1216_28.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.468		0.202	0.202	r
74-87-3	Chloromethane	0.591		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	331	ES	0.531	0.531	r
67-64-1	Acetone	11.3	S	0.421	0.421	r
67-63-0	Isopropylalcohol	25.9	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.880		0.339	0.339	r
110-54-3	Hexane	0.493	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.538		0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.448		0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	1.35		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.530		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
99-87-6	4-Isopropyltoluene	0.312		0.182	0.182	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1

AIR ANALYSIS DATA SHEET

CLIENT ID: CU98007 QC

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98007

Canister: 49195 Lab File ID: 1216_28.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.189		0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.067		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_28.D
Acq On : 17 Dec 2025 7:29 pm
Operator :
Client ID : CU98007 QC
Lab ID : CU98007 QC
ALS Vial : 24 Sample Multiplier: 1

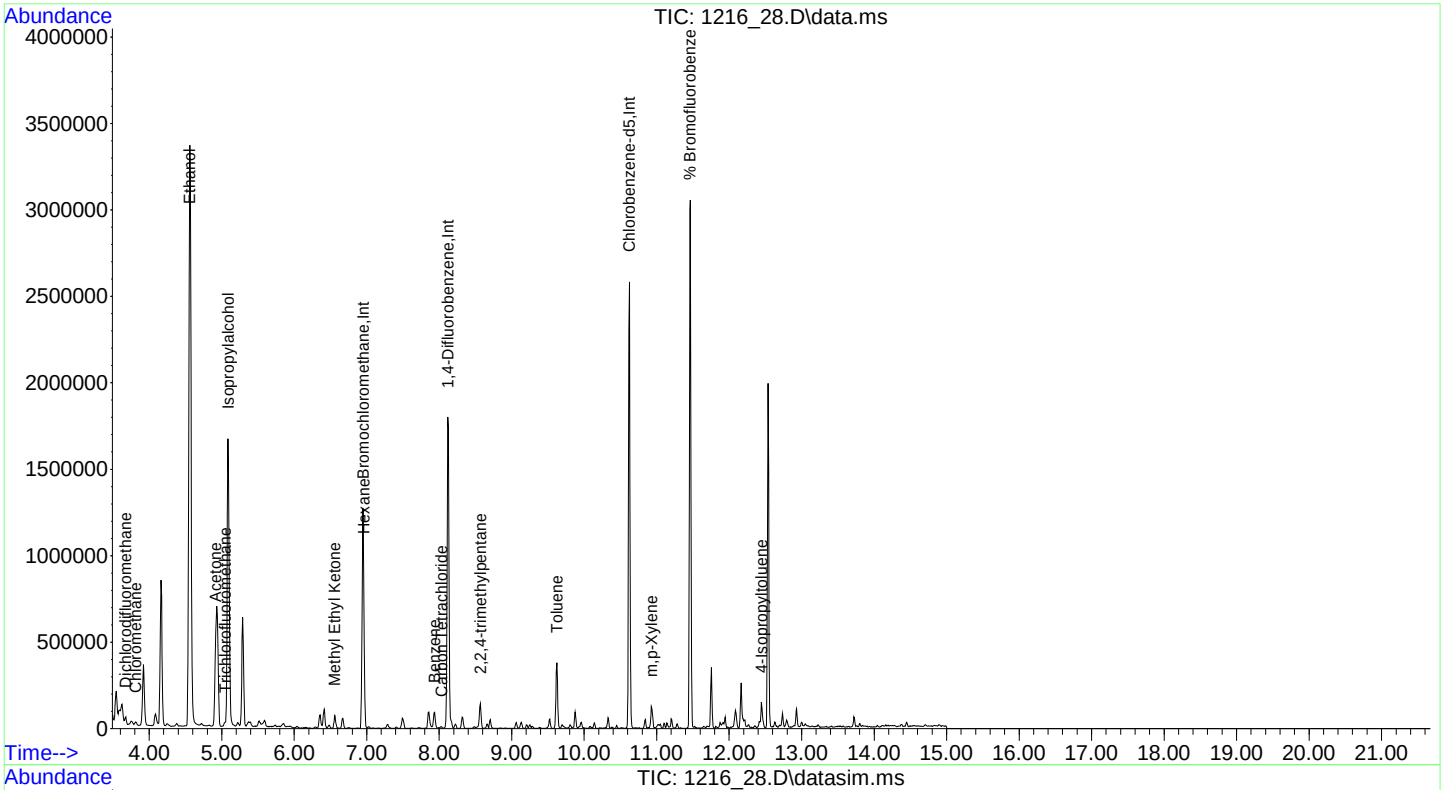
Quant Time: Dec 18 11:17:12 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

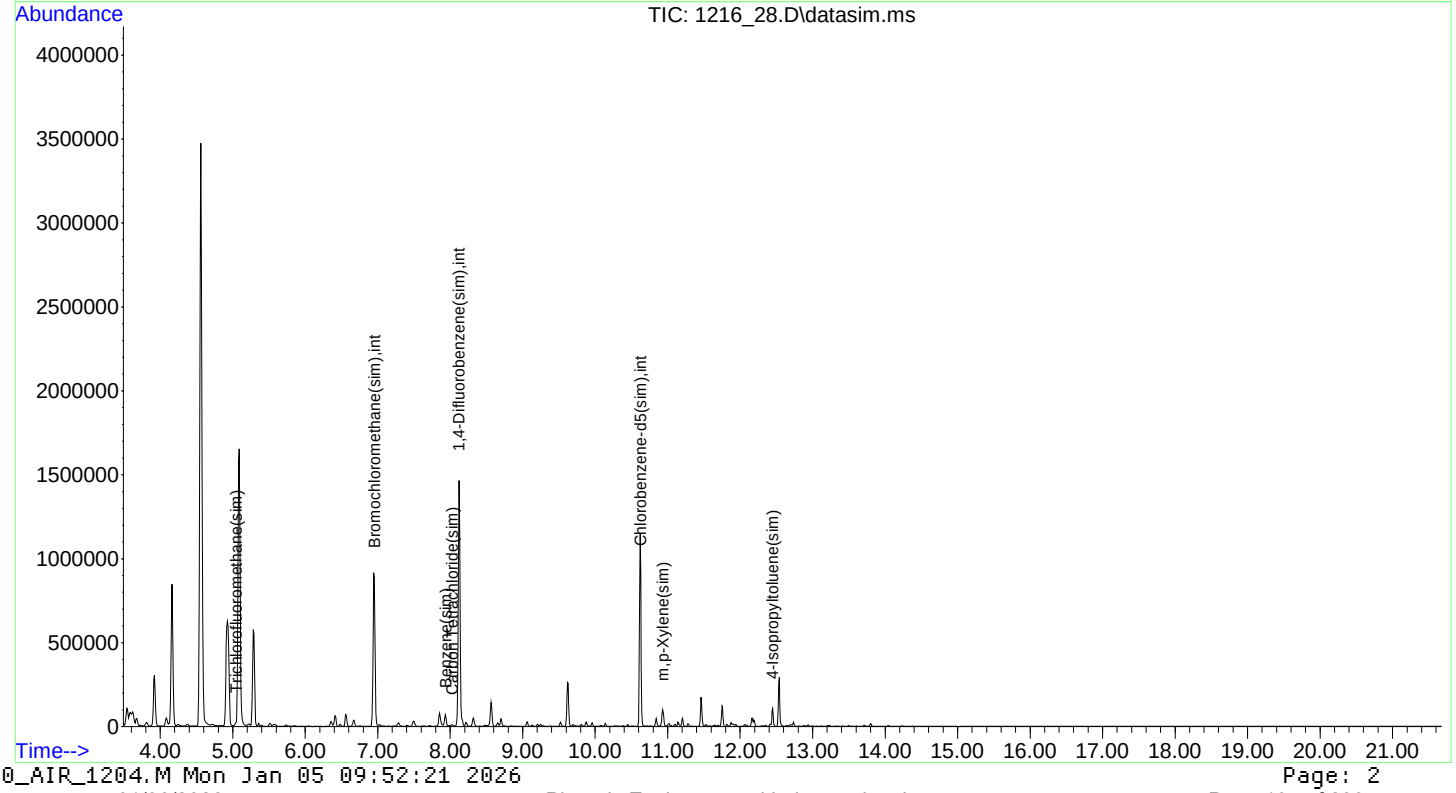
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.950	130	315180	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1189853	10.000	ng		0.00
53) Chlorobenzene-d5	10.624	82	630807	10.000	ng		0.00
80) Bromochloromethane(sim)	6.953	130	334945	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1189853	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.624	82	630807	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	877285	10.584	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.80%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	3.674	85	42506	0.468	ppbv#		96
4) Chloromethane	3.812	50	25242	0.591	ppbv		95
11) Ethanol	4.559	45	4233177	330.640	ppbv#		39
12) Acetone	4.916	43	812650	11.331	ppbv#		84
13) Trichlorofluoromethane	5.045	101	18341	0.199	ppbv#		97
14) Isopropylalcohol	5.086	45	2089914	25.906	ppbv#		95
25) Methyl Ethyl Ketone	6.558	43	92476	0.880	ppbv#		92
27) Hexane	6.958	57	35921	0.493	ppbv#		92
33) Benzene	7.937	78	62268	0.538	ppbv#		92
34) Carbon Tetrachloride	8.032	117	5352	0.070	ppbv		89
40) 2,2,4-trimethylpentane	8.568	57	105801	0.448	ppbv#		89
48) Toluene	9.623	91	193925	1.345	ppbv		100
57) m,p-Xylene	10.927	91	66044	0.530	ppbv		100
74) 4-Isopropyltoluene	12.445	119	63285	0.312	ppbv		100
84] Trichlorofluoromethane...	5.048	101	19574	0.189	ppbv#		99
87] Benzene(sim)	7.937	78	62268	0.475	ppbv#		92
88] Carbon Tetrachloride(sim)	8.026	117	5495	0.067	ppbv		99
107] m,p-Xylene(sim)	10.927	91	66044	0.461	ppbv		94
113] 4-Isopropyltoluene(sim)	12.445	119	63285	0.277	ppbv#		87

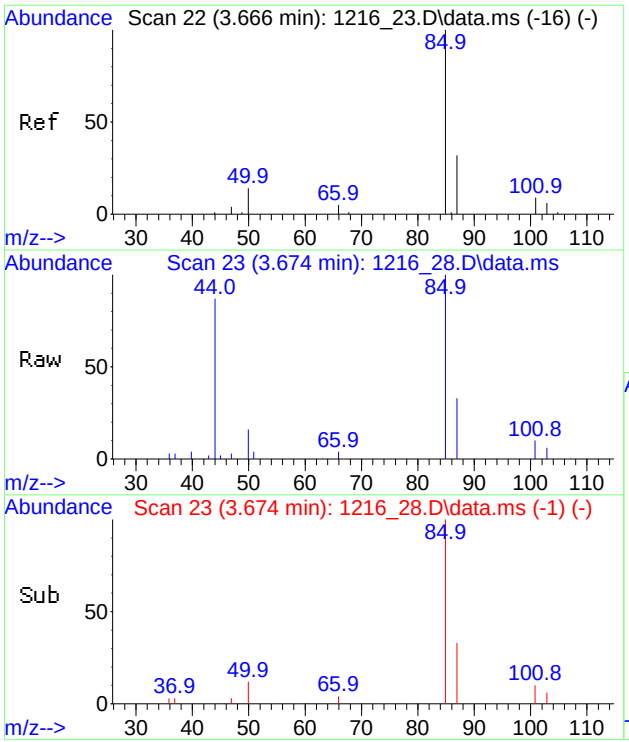
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_28.D
Acq On : 17 Dec 2025 7:29 pm
Operator :
Client ID : CU98007 QC
Lab ID : CU98007 QC
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 18 11:17:12 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration



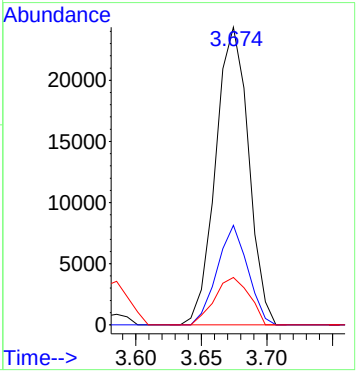


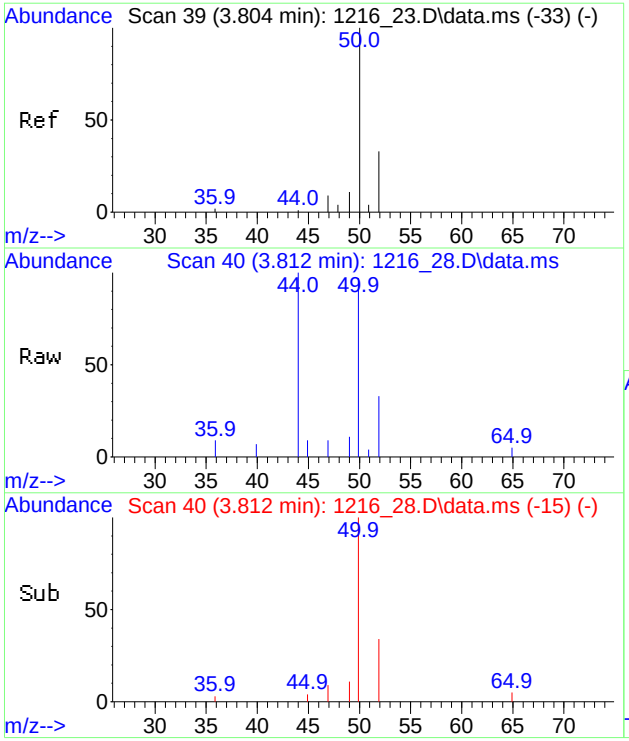


#3
Dichlorodifluoromethane
Conc: 8$ 0.468 ppbv
RT: 3.674 min Scan# 23
Delta R.T. 0.008 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion: 85 Resp: 42506

Ion	Ratio	Lower	Upper
85	100		
87	31.2	25.8	38.8
50	16.8	10.6	15.8#

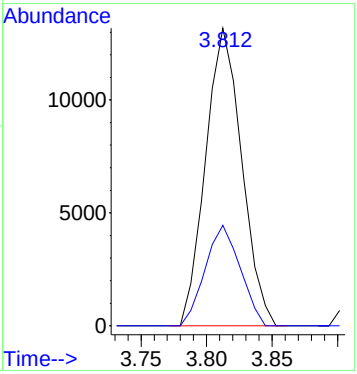


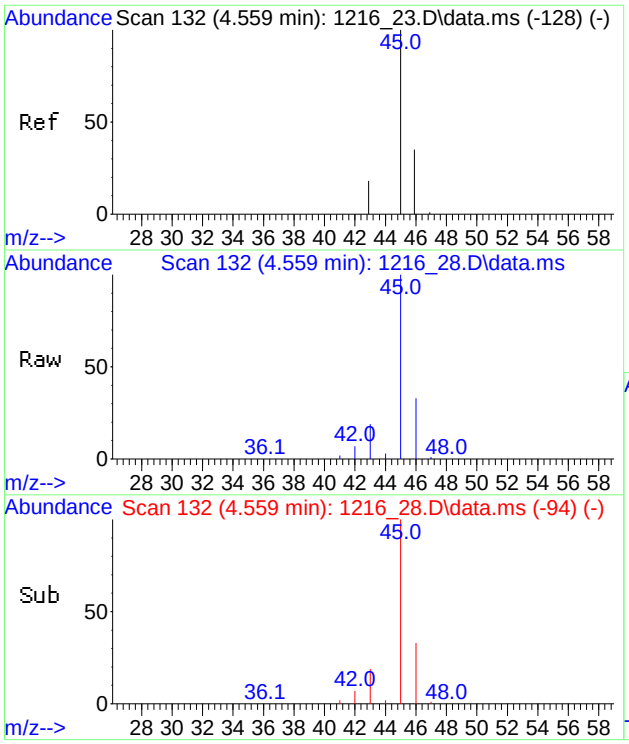


#4
Chloromethane
Conc: 8$ 0.591 ppbv
RT: 3.812 min Scan# 40
Delta R.T. 0.000 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion: 50 Resp: 25242

Ion	Ratio	Lower	Upper
50	100		
52	32.7	15.5	55.5

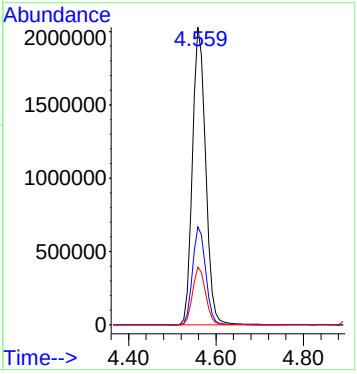


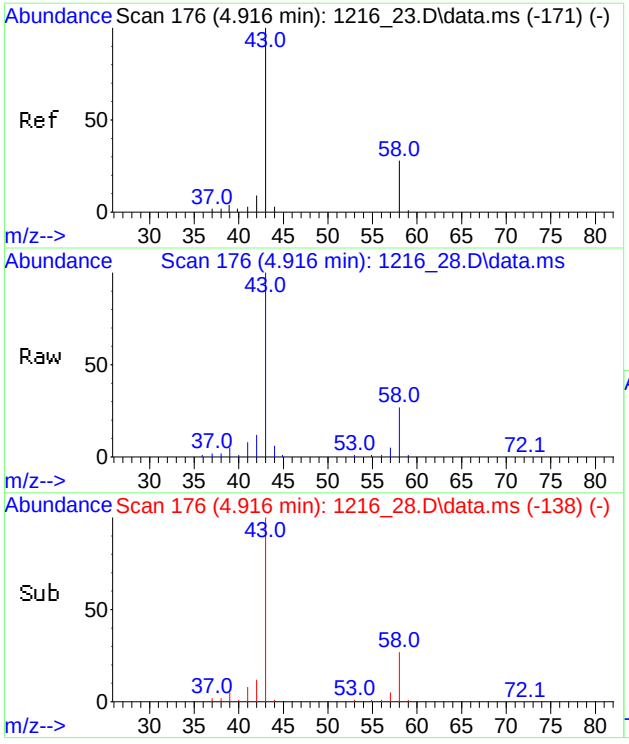


#11
Ethanol
Conc: 8$ 330.640 ppbv
RT: 4.559 min Scan# 132
Delta R.T. 0.008 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion: 45 Resp: 4233177

Ion	Ratio	Lower	Upper
45	100		
46	32.9	0.6	0.8#
43	19.2	0.0	0.0#

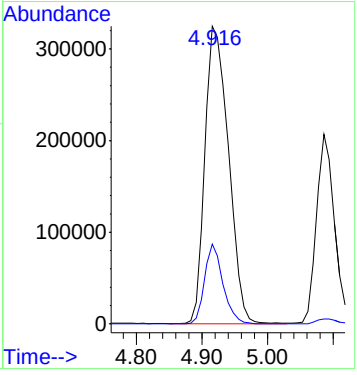


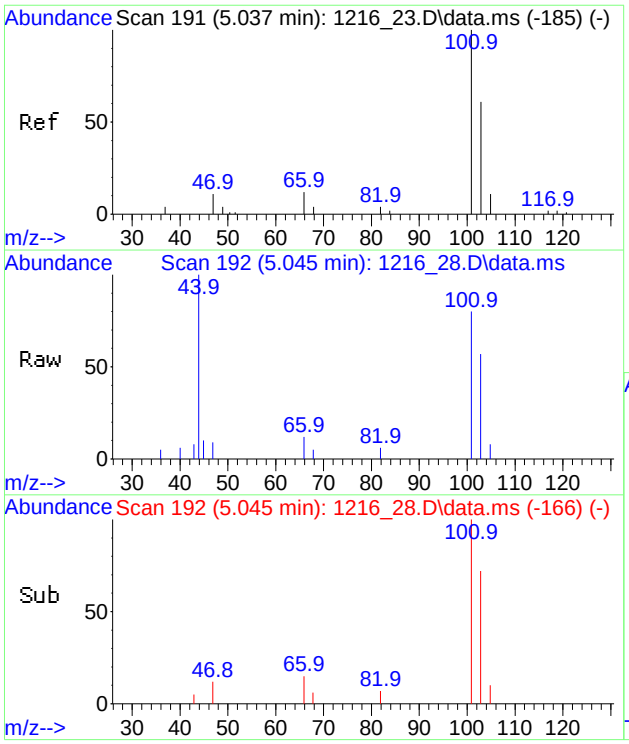


#12
Acetone
Conc: 8$ 11.331 ppbv
RT: 4.916 min Scan# 176
Delta R.T. 0.008 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion: 43 Resp: 812650

Ion	Ratio	Lower	Upper
43	100		
58	20.7	0.2	0.2#

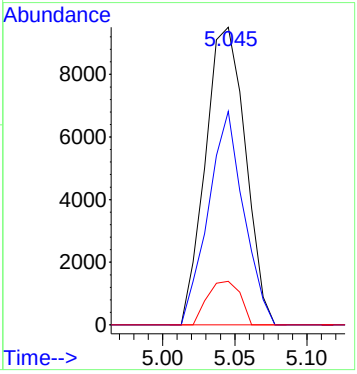


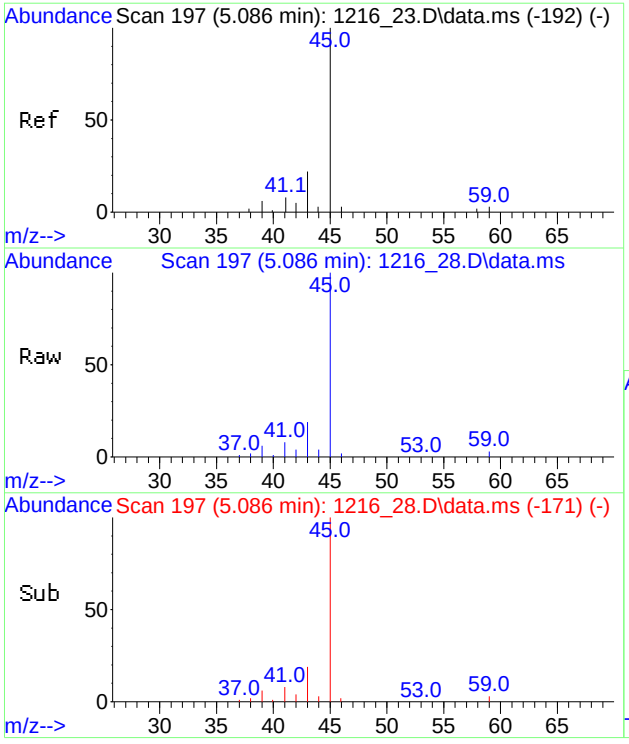


#13
Trichlorofluoromethane
Conc: 8$ 0.199 ppbv
RT: 5.045 min Scan# 192
Delta R.T. 0.008 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion:101 Resp: 18341

Ion	Ratio	Lower	Upper
101	100		
103	63.6	49.8	74.8
66	12.0	12.1	18.1#

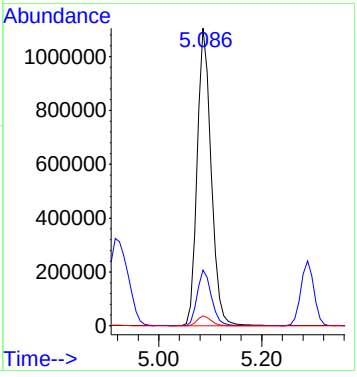


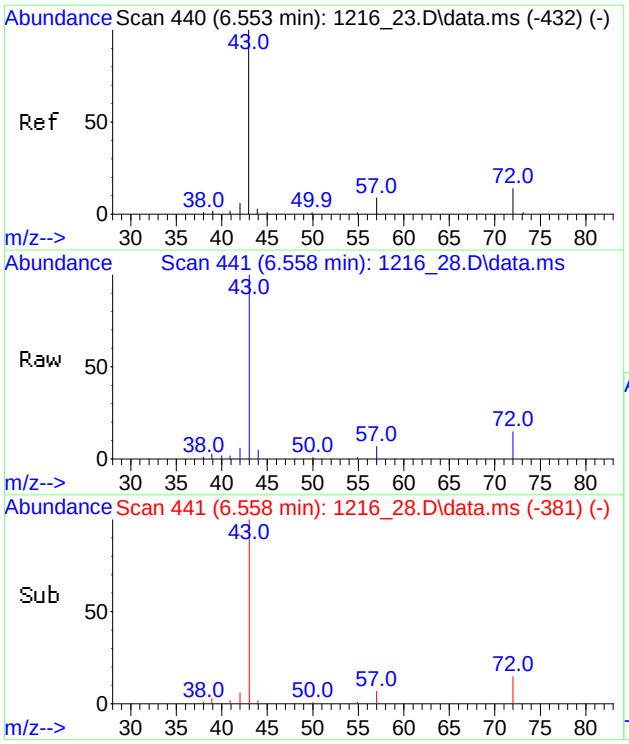


#14
Isopropylalcohol
Conc: 8$ 25.906 ppbv
RT: 5.086 min Scan# 197
Delta R.T. 0.008 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion: 45 Resp: 2089914

Ion	Ratio	Lower	Upper
45	100		
43	18.9	0.0	0.0#
59	3.3	0.6	1.0#

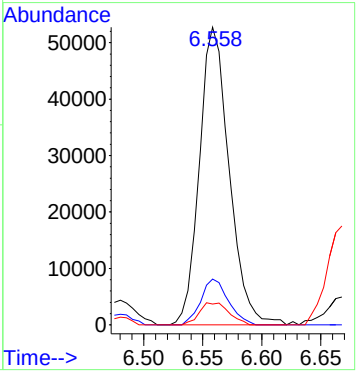


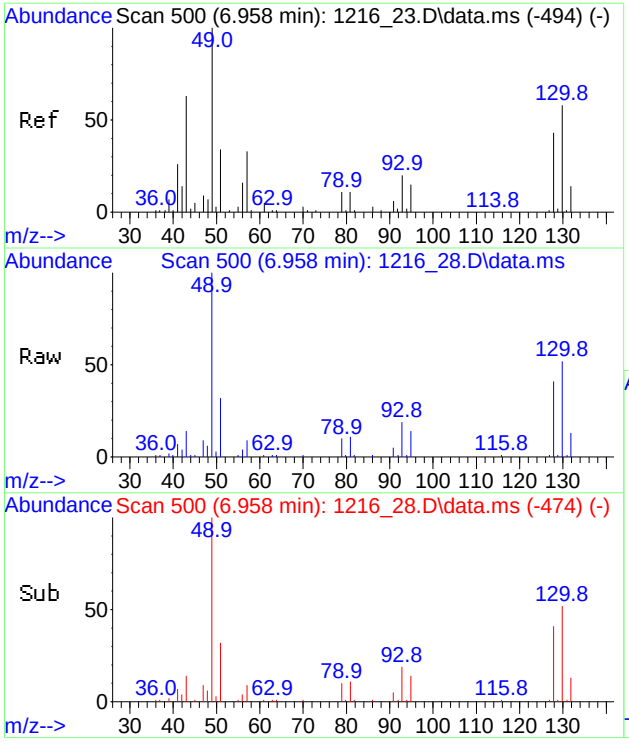


#25
Methyl Ethyl Ketone
Conc: 8$ 0.880 ppbv
RT: 6.558 min Scan# 441
Delta R.T. 0.015 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion: 43 Resp: 92476

Ion	Ratio	Lower	Upper
43	100		
72	14.2	0.0	0.0#
57	7.4	0.2	0.4#

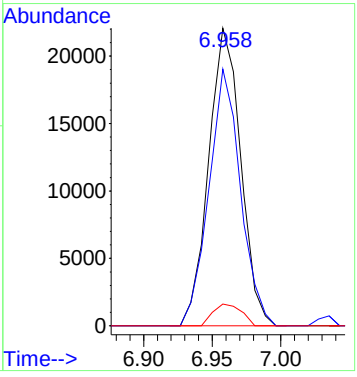


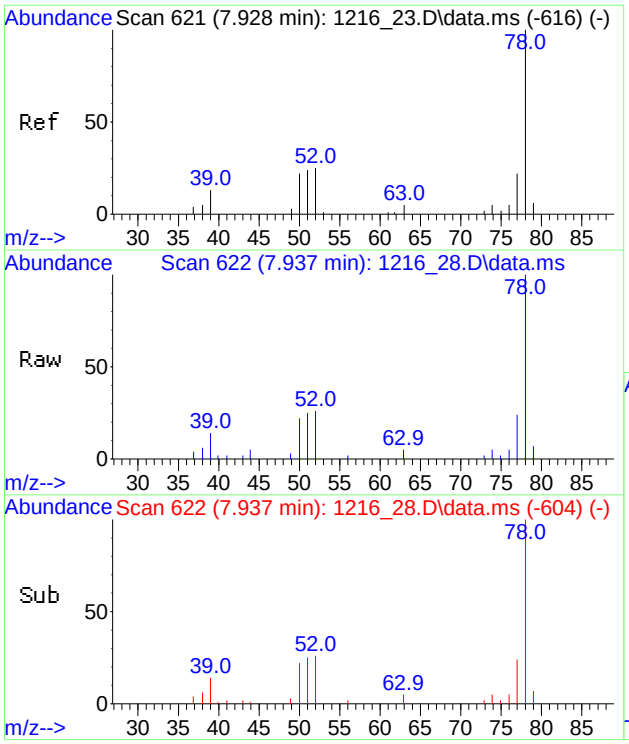


#27
Hexane
Conc: 8$ 0.493 ppbv
RT: 6.958 min Scan# 500
Delta R.T. -0.000 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion: 57 Resp: 35921

Ion	Ratio	Lower	Upper
57	100		
41	84.9	73.0	109.6
86	6.5	9.8	14.8#

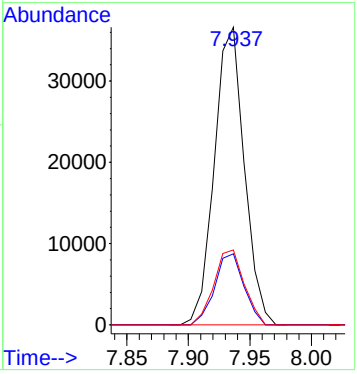


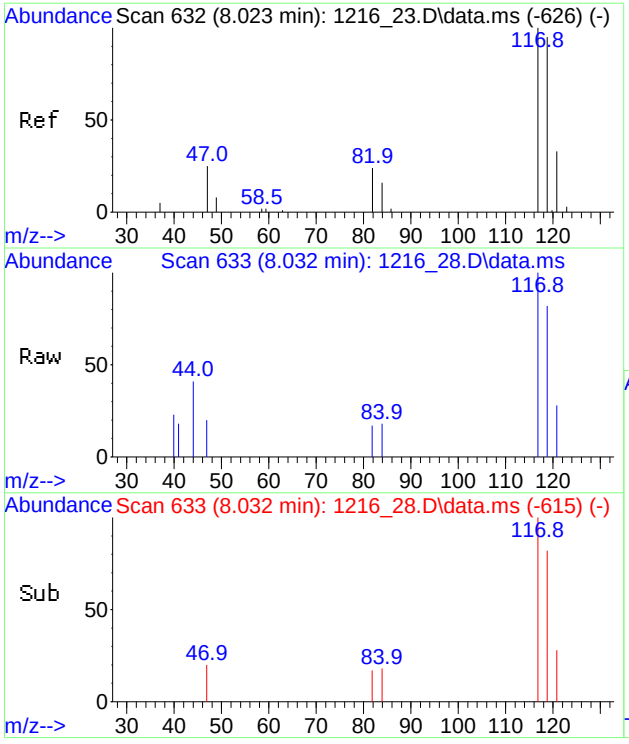


#33
Benzene
Conc: 8$ 0.538 ppbv
RT: 7.937 min Scan# 622
Delta R.T. 0.009 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion: 78 Resp: 62268

Ion	Ratio	Lower	Upper
78	100		
77	23.3	17.4	26.0
51	25.5	15.8	23.6#

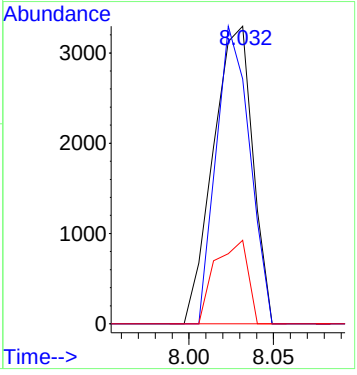


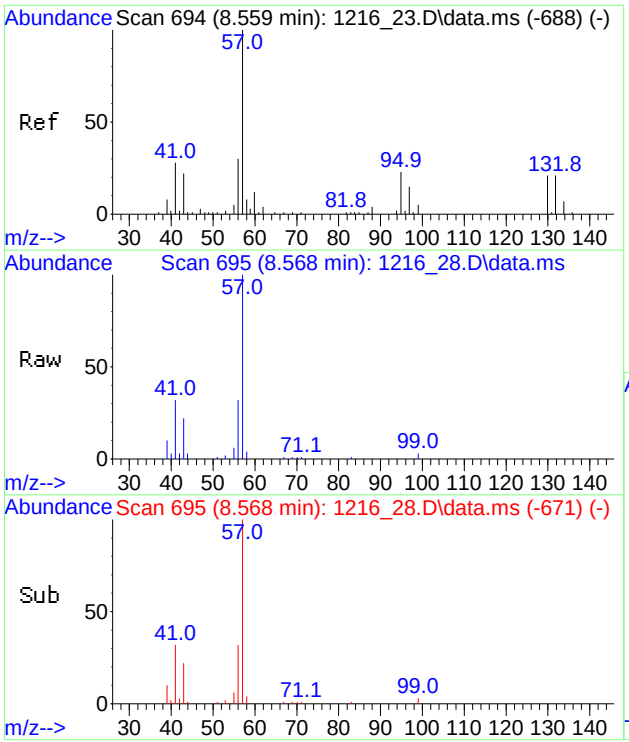


#34
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 8.032 min Scan# 633
Delta R.T. 0.009 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion:117 Resp: 5352

Ion	Ratio	Lower	Upper
117	100		
119	85.0	74.9	114.9
121	23.3	11.2	51.2

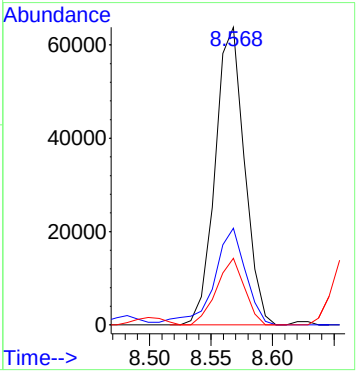


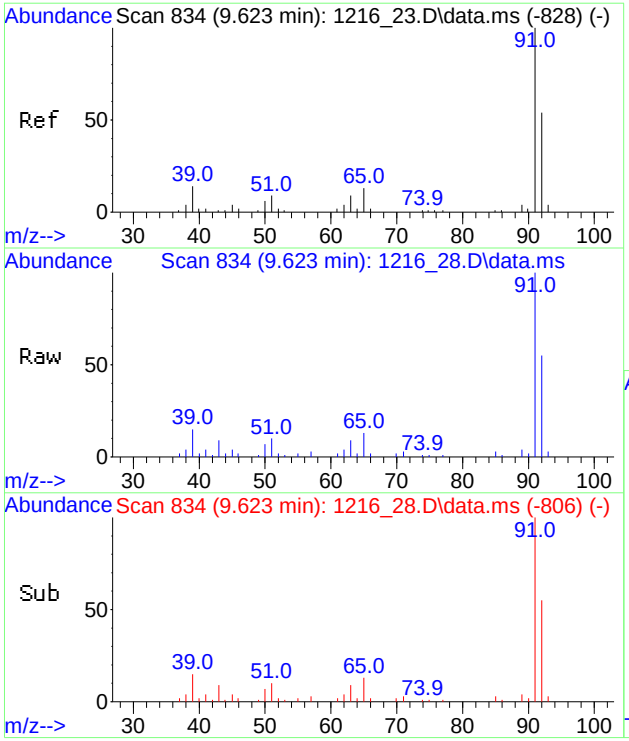


#40
2,2,4-trimethylpentane
Conc: 8$ 0.448 ppbv
RT: 8.568 min Scan# 695
Delta R.T. 0.008 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion: 57 Resp: 105801

Ion	Ratio	Lower	Upper
57	100		
56	34.9	22.0	33.0#
43	21.3	20.4	30.6

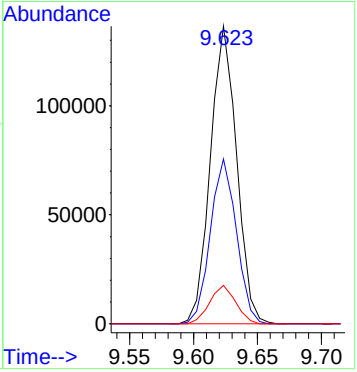


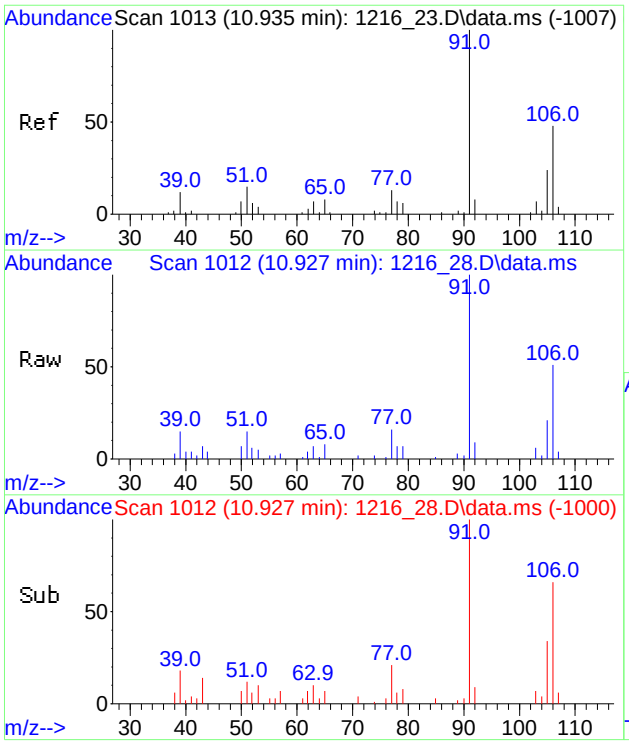


#48
Toluene
Conc: 8$ 1.345 ppbv
RT: 9.623 min Scan# 834
Delta R.T. -0.001 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion: 91 Resp: 193925

Ion	Ratio	Lower	Upper
91	100		
92	55.0	43.8	65.8
65	12.9	10.6	16.0

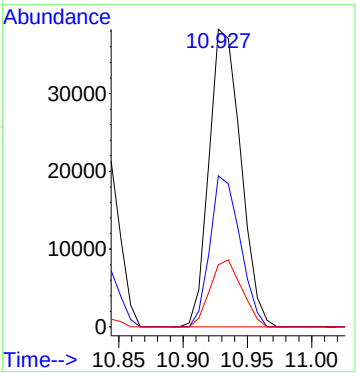


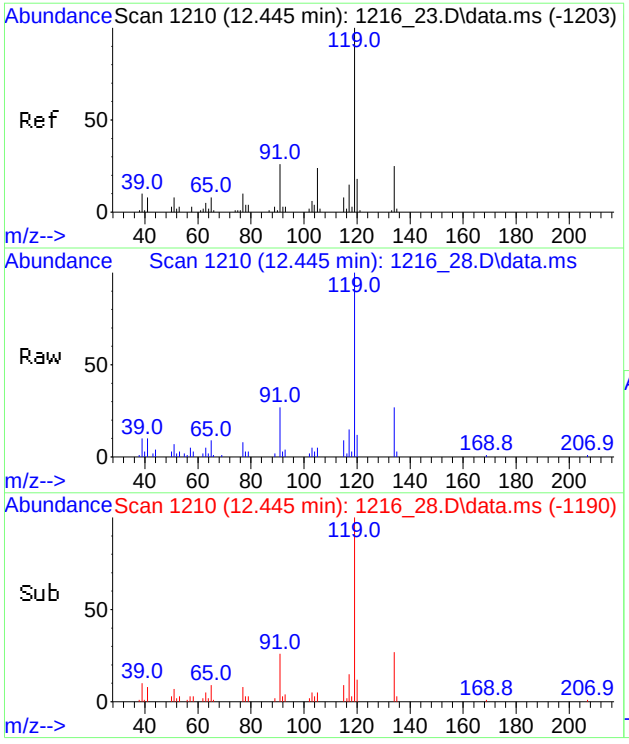


#57
m,p-Xylene
Conc: 8$ 0.530 ppbv
RT: 10.927 min Scan# 1012
Delta R.T. -0.008 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion: 91 Resp: 66044

Ion	Ratio	Lower	Upper
91	100		
106	48.1	0.0	0.0#
105	22.4	0.0	0.0#

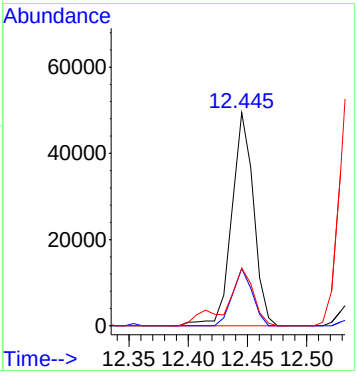


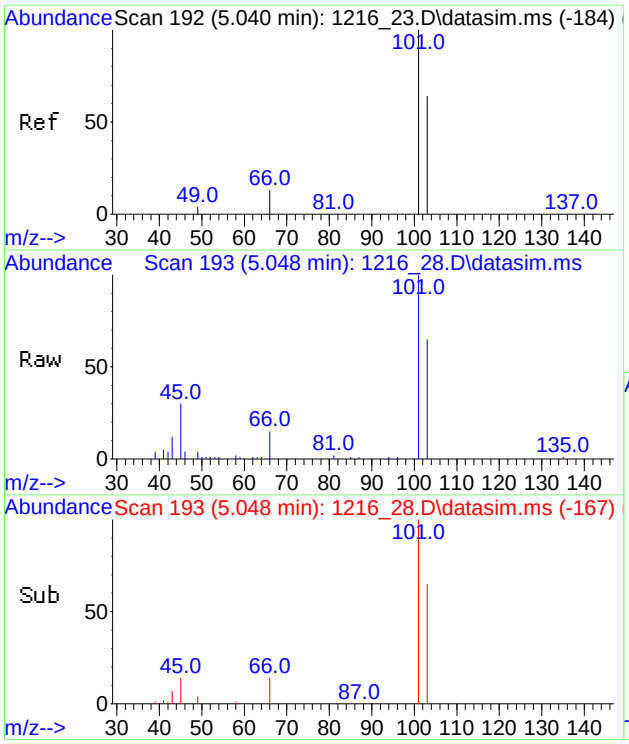


#74
4-Isopropyltoluene
Conc: 8$ 0.312 ppbv
RT: 12.445 min Scan# 1210
Delta R.T. 0.000 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion:119 Resp: 63285

Ion	Ratio	Lower	Upper
119	100		
134	24.5	0.0	0.0#
91	33.5	0.0	0.0#

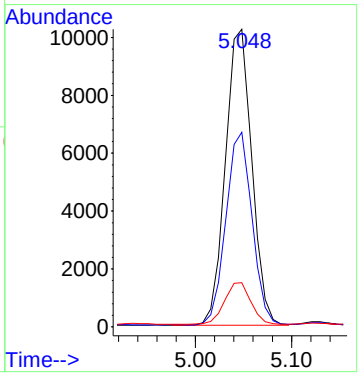


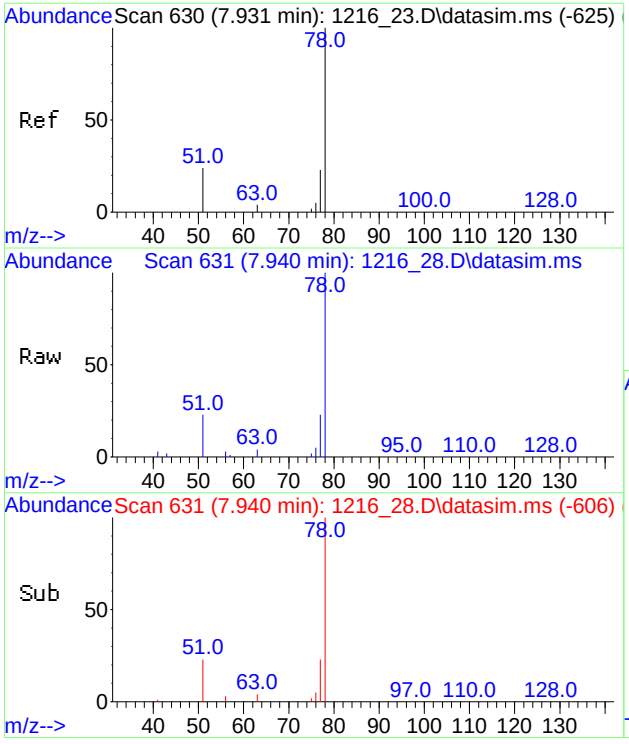


#84
Trichlorofluoromethane(sim)
Conc: 8$ 0.189 ppbv
RT: 5.048 min Scan# 193
Delta R.T. 0.008 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion:101 Resp: 19574

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.0
66	14.3	15.1	15.1#

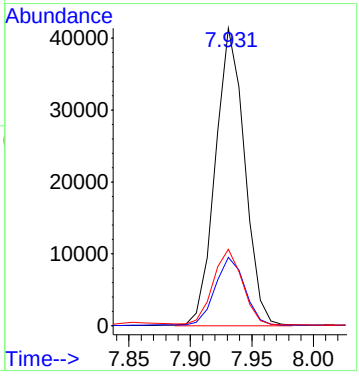


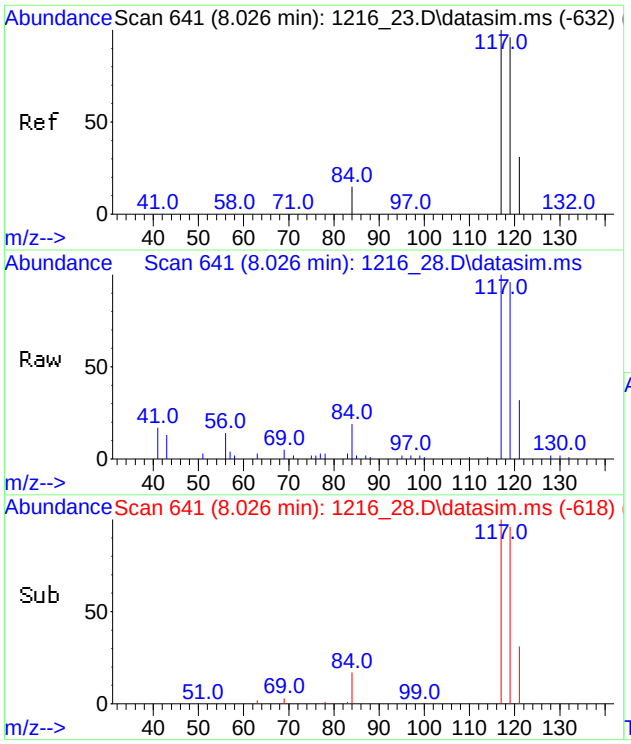


#87
Benzene(sim)
Conc: 8$ 0.475 ppbv
RT: 7.937 min Scan# 631
Delta R.T. 0.009 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion: 78 Resp: 62268

Ion	Ratio	Lower	Upper
78	100		
77	23.3	17.4	26.0
51	25.5	15.8	23.6#

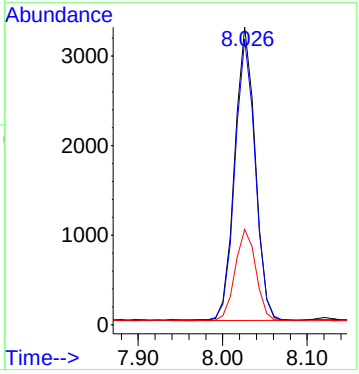


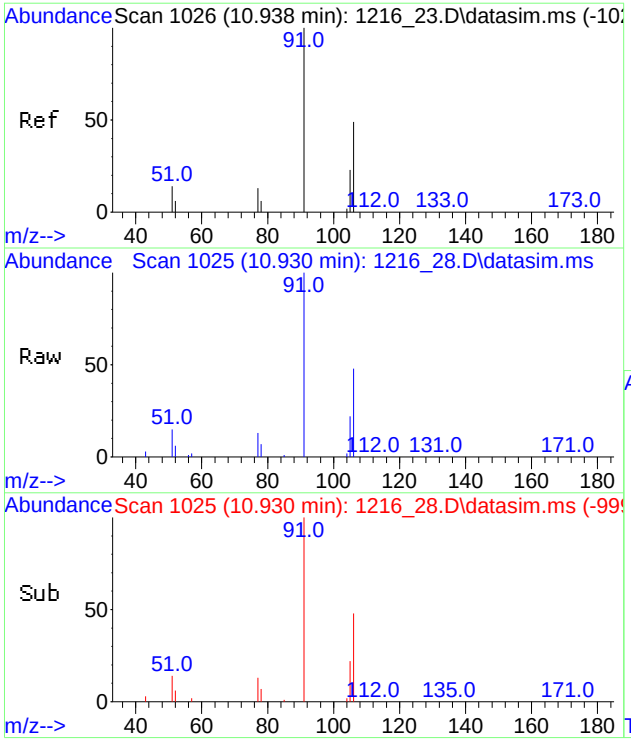


#88
Carbon Tetrachloride(sim)
Conc: 8$ 0.067 ppbv
RT: 8.026 min Scan# 641
Delta R.T. 0.000 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion:117 Resp: 5495

Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.6	115.0
121	31.7	24.2	36.4

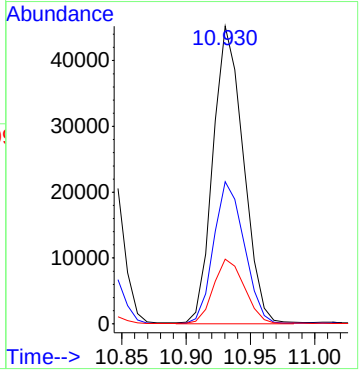


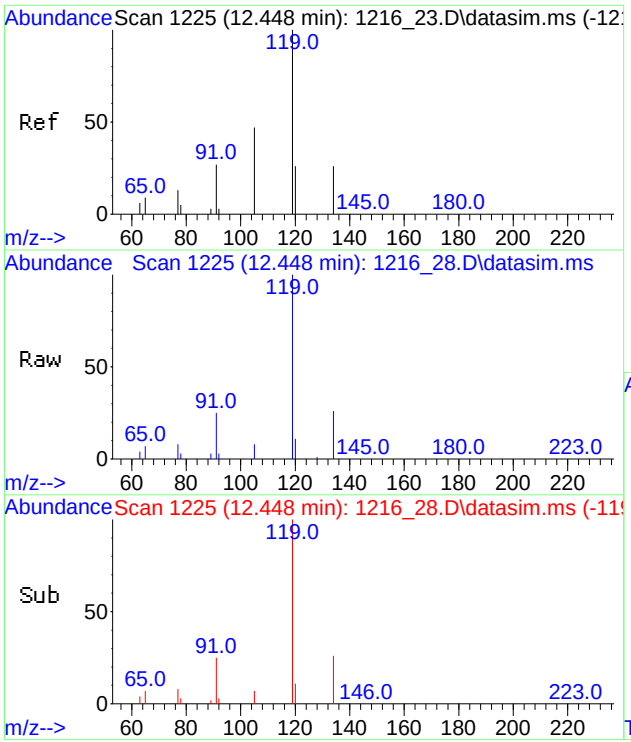


#107
m,p-Xylene(sim)
Conc: 8$ 0.461 ppbv
RT: 10.927 min Scan# 1025
Delta R.T. -0.008 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion: 91 Resp: 66044

Ion	Ratio	Lower	Upper
91	100		
106	48.1	39.6	48.4
105	22.4	16.6	24.8

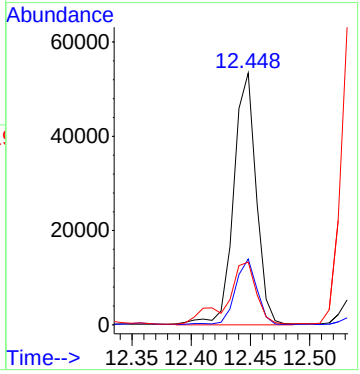




#113
4-Isopropyltoluene(sim)
Conc: 8$ 0.277 ppbv
RT: 12.445 min Scan# 1225
Delta R.T. 0.000 min
Lab File: 1216_28.D
Acq: 17 Dec 2025 7:29 pm

Tgt Ion:119 Resp: 63285

Ion	Ratio	Lower	Upper
119	100		
134	24.5	17.7	26.5
91	33.5	35.4	53.0#



CLIENT ID

AIR ANALYSIS DATA SHEET

CU98007 BLANK

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98007 BL

Canister: BL Lab File ID: 1216_26.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.580	U	0.580	0.580	r
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
74-87-3	Chloromethane	0.480	U	0.480	0.480	r
106-99-0	1,3-Butadiene	0.450	U	0.450	0.450	r
75-00-3	Chloroethane	0.380	U	0.380	0.380	r
64-17-5	Ethanol	0.530	U	0.530	0.530	r
67-64-1	Acetone	0.420	U	0.420	0.420	r
67-63-0	Isopropylalcohol	0.410	U	0.410	0.410	r
107-13-1	Acrylonitrile	0.460	U	0.460	0.460	r
75-09-2	Methylene Chloride	0.860	U	0.860	0.860	r
75-15-0	Carbon Disulfide	0.320	U	0.320	0.320	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.280	U	0.280	0.280	r
78-93-3	Methyl Ethyl Ketone	0.340	U	0.340	0.340	r
110-54-3	Hexane	0.280	U	0.280	0.280	r
141-78-6	Ethyl acetate	0.280	U	0.280	0.280	r
109-99-9	Tetrahydrofuran	0.340	U	0.340	0.340	r
110-82-7	Cyclohexane	0.290	U	0.290	0.290	r
540-84-1	2,2,4-trimethylpentane	0.210	U	0.210	0.210	r
142-82-5	Heptane	0.240	U	0.240	0.240	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.240	U	0.240	0.240	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.270	U	0.270	0.270	r
591-78-6	2-Hexanone(MBK)	0.240	U	0.240	0.240	r
630-20-6	1,1,1,2-Tetrachloroethane	0.150	U	0.150	0.150	r
108-90-7	Chlorobenzene	0.220	U	0.220	0.220	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.230	U	0.230	0.230	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.200	U	0.200	0.200	r
622-96-8	4-Ethyltoluene	0.200	U	0.200	0.200	r
108-67-8	1,3,5-Trimethylbenzene	0.200	U	0.200	0.200	r
95-63-6	1,2,4-Trimethylbenzene	0.200	U	0.200	0.200	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.140	U	0.140	0.140	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.260	U	0.260	0.260	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

CLIENT ID

AIR ANALYSIS DATA SHEET

CU98007 BLANK

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98007 BL

Canister: BL Lab File ID: 1216_26.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.180	U	0.180	0.180	r
107-06-2	1,2-Dichloroethane(sim)	0.250	U	0.250	0.250	r
71-55-6	1,1,1-Trichloroethane(sim)	0.180	U	0.180	0.180	r
71-43-2	Benzene(sim)	0.310	U	0.310	0.310	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
76-13-1	Trichlorotrifluoroethane(sim)	0.130	U	0.130	0.130	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.250	U	0.250	0.250	r
75-34-3	1,1-Dichloroethane(sim)	0.250	U	0.250	0.250	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
67-66-3	Chloroform(sim)	0.200	U	0.200	0.200	r
78-87-5	1,2-dichloropropane(sim)	0.220	U	0.220	0.220	r
75-27-4	Bromodichloromethane(sim)	0.150	U	0.150	0.150	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.280	U	0.280	0.280	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.180	U	0.180	0.180	r
124-48-1	Dibromochloromethane(sim)	0.120	U	0.120	0.120	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.150	U	0.150	0.150	r
100-44-7	Benzyl chloride(sim)	0.190	U	0.190	0.190	r
541-73-1	1,3-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
106-46-7	1,4-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
135-98-8	sec-Butylbenzene(sim)	0.180	U	0.180	0.180	r
99-87-6	4-Isopropyltoluene(sim)	0.180	U	0.180	0.180	r
95-50-1	1,2-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
104-51-8	n-Butylbenzene(sim)	0.180	U	0.180	0.180	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.130	U	0.130	0.130	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_26.D
Acq On : 17 Dec 2025 1:08 pm
Operator :
Client ID : CU98007 BLANK
Lab ID : CU98007 BLANK
ALS Vial : 22 Sample Multiplier: 1

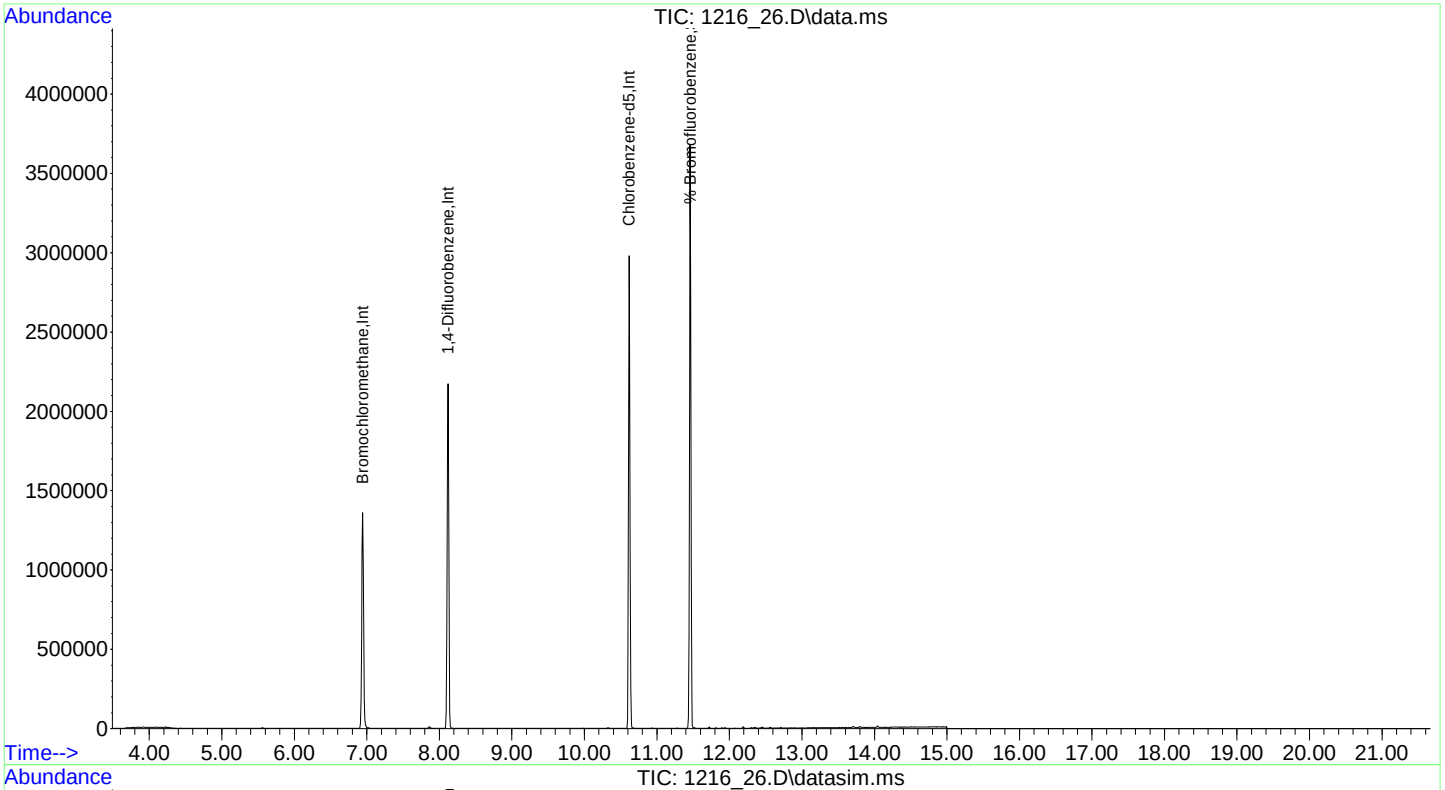
Quant Time: Dec 17 14:40:27 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

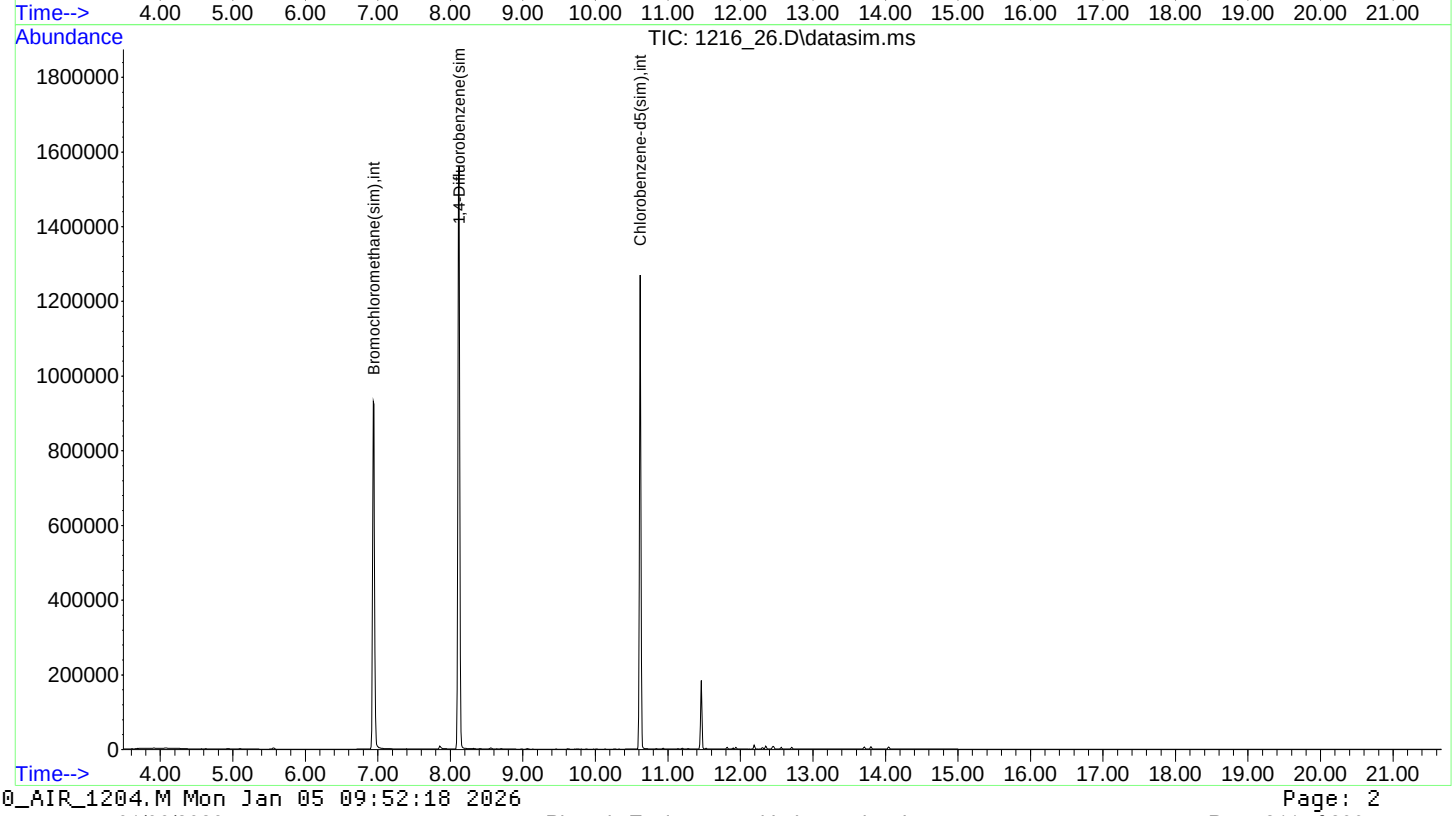
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.942	130	372763	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1374035	10.000	ng		0.00
53) Chlorobenzene-d5	10.616	82	732794	10.000	ng		0.00
80) Bromochloromethane(sim)	6.945	130	388369	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1374035	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.616	82	732794	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	986898	10.249	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.50%				
Target Compounds							Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_26.D
Acq On : 17 Dec 2025 1:08 pm
Operator :
Client ID : CU98007 BLANK
Lab ID : CU98007 BLANK
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 17 14:40:27 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration





1

AIR ANALYSIS DATA SHEET

CLIENT ID: CU98007 DUP

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98007 DUP

Canister: 49195 Lab File ID: 1216_29.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.479		0.202	0.202	r
74-87-3	Chloromethane	0.628		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	336	S	0.531	0.531	r
67-64-1	Acetone	11.5	S	0.421	0.421	r
67-63-0	Isopropylalcohol	26.5	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.879		0.339	0.339	r
110-54-3	Hexane	0.493	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.298		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.554		0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.457		0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	1.38		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.538		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
99-87-6	4-Isopropyltoluene	0.311		0.182	0.182	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

AIR ANALYSIS DATA SHEET

CLIENT ID: CU98007 DUP

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CU98007 DUP

Canister: 49195 Lab File ID: 1216_29.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.195		0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.068		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_29.D
Acq On : 17 Dec 2025 8:05 pm
Operator :
Client ID : CU98007 DUP
Lab ID : CU98007 DUP
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 11:17:48 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

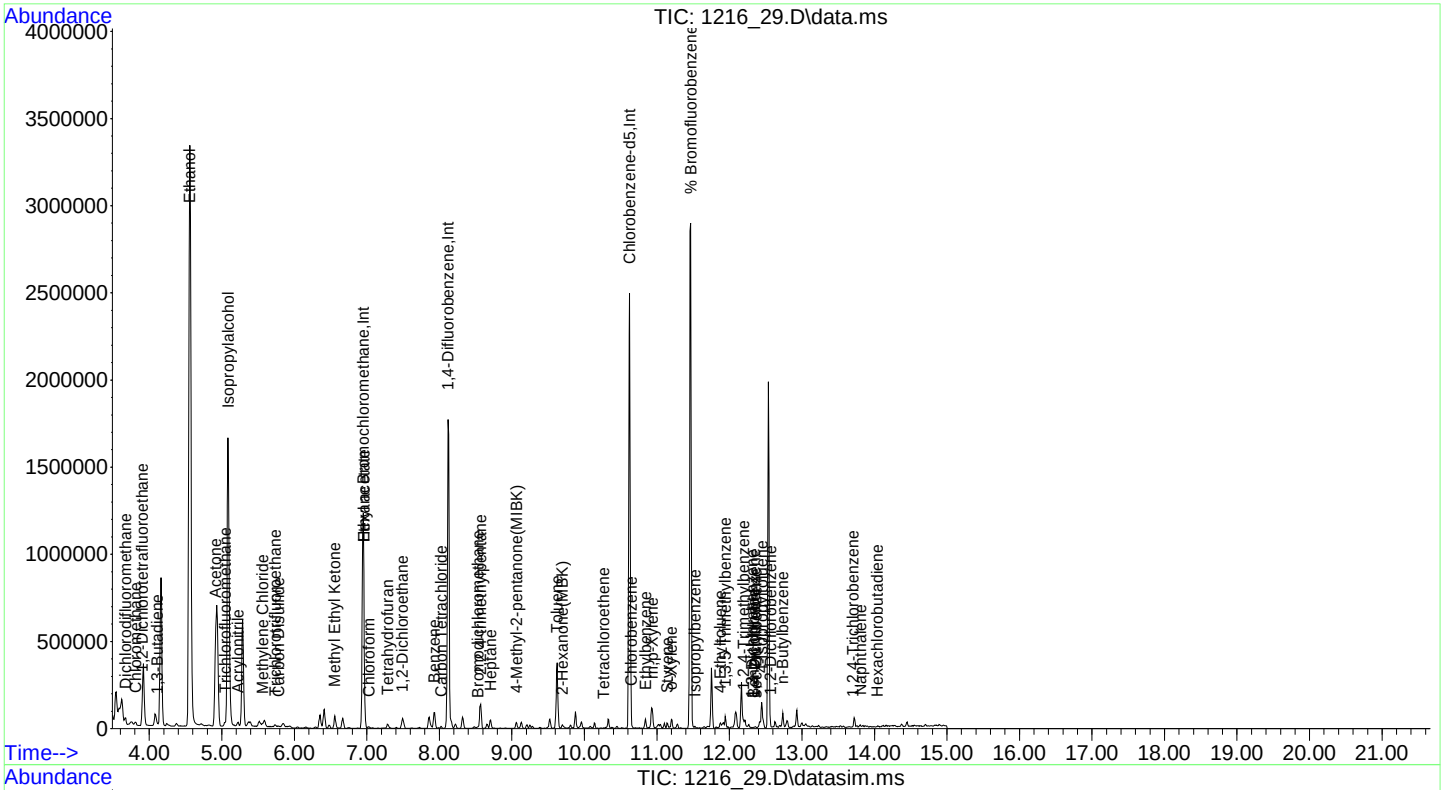
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.950	130	307088	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1152871	10.000	ng		0.00
53) Chlorobenzene-d5	10.624	82	617607	10.000	ng		0.00
80) Bromochloromethane(sim)	6.953	130	325338	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1152871	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.624	82	617607	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.466	95	829052	10.216	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.20%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	3.674	85	42348	0.479	ppbv#		96
4) Chloromethane	3.812	50	26126	0.628	ppbv		93
11) Ethanol	4.559	45	4193293	336.156	ppbv#		39
12) Acetone	4.915	43	803949	11.506	ppbv#		84
13) Trichlorofluoromethane	5.045	101	18275	0.203	ppbv#		96
14) Isopropylalcohol	5.086	45	2083149	26.503	ppbv#		95
25) Methyl Ethyl Ketone	6.558	43	89989	0.879	ppbv#		93
27) Hexane	6.958	57	35012	0.493	ppbv#		91
29) Ethyl acetate	6.958	61	4388	0.298	ppbv#		57
33) Benzene	7.928	78	62530	0.554	ppbv#		93
34) Carbon Tetrachloride	8.023	117	5102	0.068	ppbv		95
48) Toluene	9.623	91	192557	1.378	ppbv		99
57) m,p-Xylene	10.935	91	65601	0.538	ppbv		100
74) 4-Isopropyltoluene	12.445	119	61709	0.311	ppbv		100
84] Trichlorofluoromethane...	5.040	101	19607	0.195	ppbv#		99
87] Benzene(sim)	7.928	78	62530	0.491	ppbv#		93
88] Carbon Tetrachloride(sim)	8.026	117	5409	0.068	ppbv		98
107] m,p-Xylene(sim)	10.935	91	65601	0.468	ppbv		96
113] 4-Isopropyltoluene(sim)	12.445	119	61709	0.276	ppbv#		88

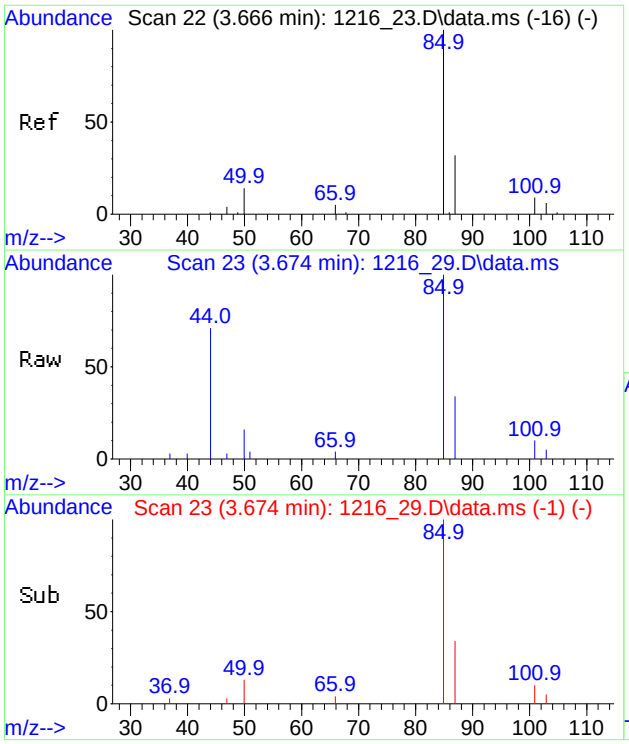
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\12DEC\16\
Data File : 1216_29.D
Acq On : 17 Dec 2025 8:05 pm
Operator :
Client ID : CU98007 DUP
Lab ID : CU98007 DUP
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 11:17:48 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_1204.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 05 08:55:16 2025
Response via : Initial Calibration

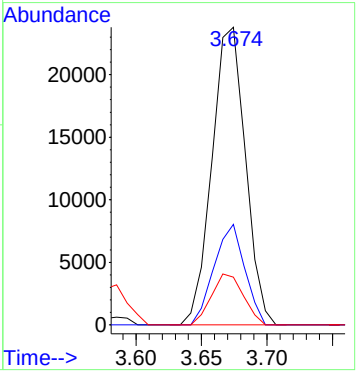


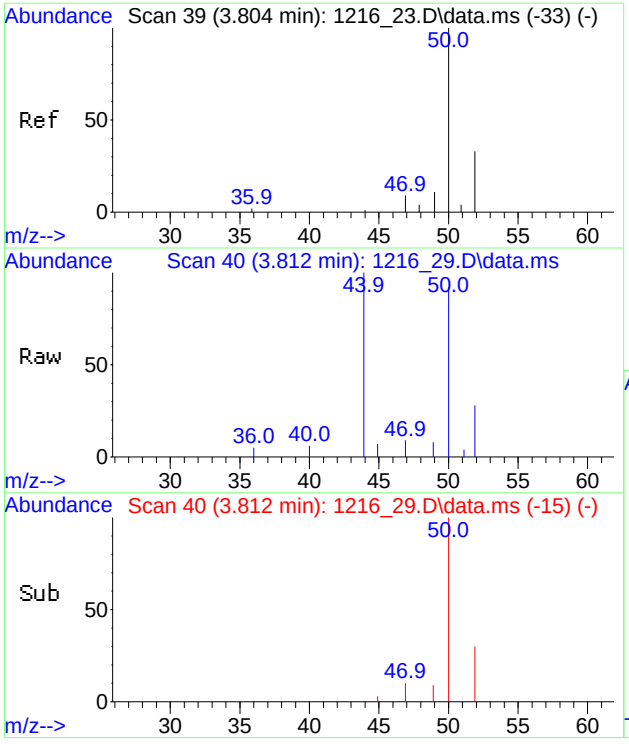


#3
Dichlorodifluoromethane
Conc: 8$ 0.479 ppbv
RT: 3.674 min Scan# 23
Delta R.T. 0.008 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion: 85 Resp: 42348

Ion	Ratio	Lower	Upper
85	100		
87	31.0	25.8	38.8
50	16.3	10.6	15.8#

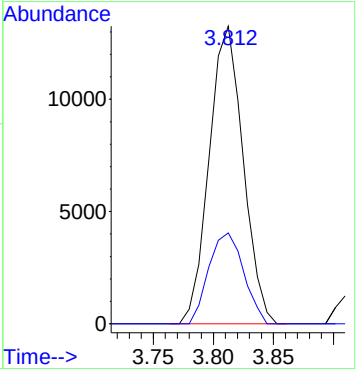


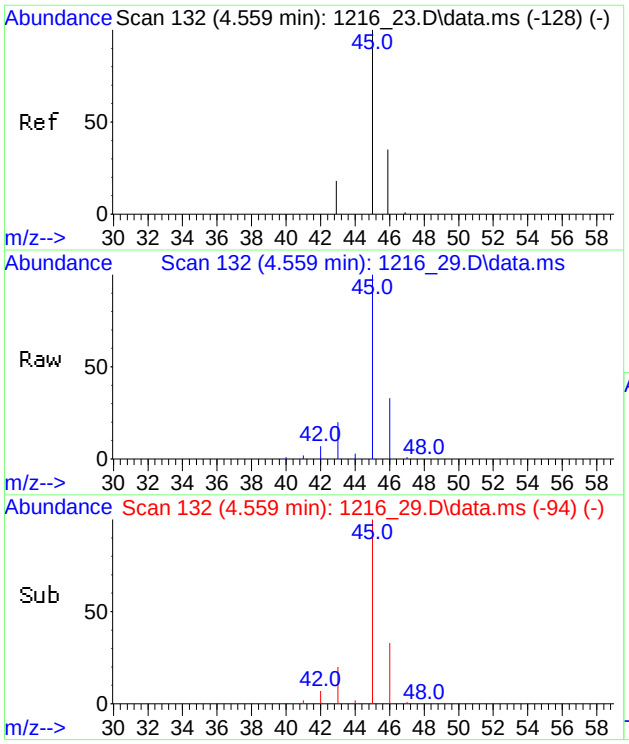


#4
Chloromethane
Conc: 8$ 0.628 ppbv
RT: 3.812 min Scan# 40
Delta R.T. 0.000 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion: 50 Resp: 26126

Ion	Ratio	Lower	Upper
50	100		
52	31.3	15.5	55.5

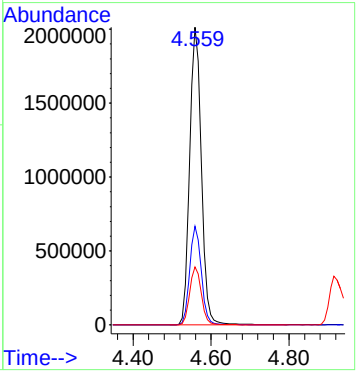


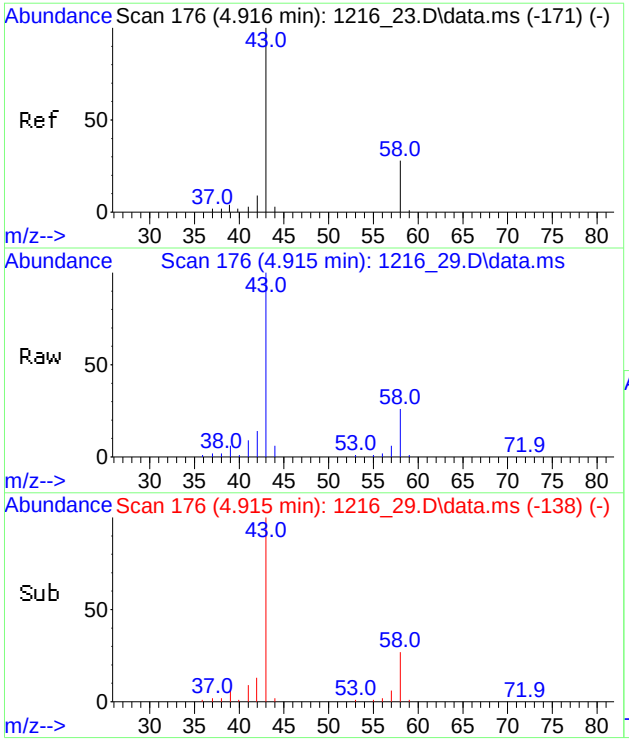


#11
Ethanol
Conc: 8$ 336.156 ppbv
RT: 4.559 min Scan# 132
Delta R.T. 0.008 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion: 45 Resp: 4193293

Ion	Ratio	Lower	Upper
45	100		
46	32.9	0.6	0.8#
43	19.4	0.0	0.0#

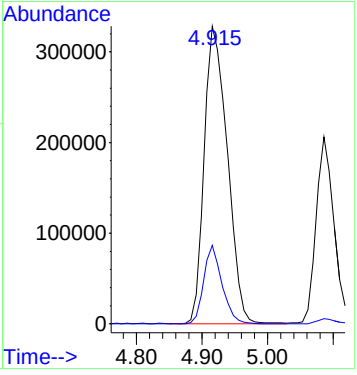


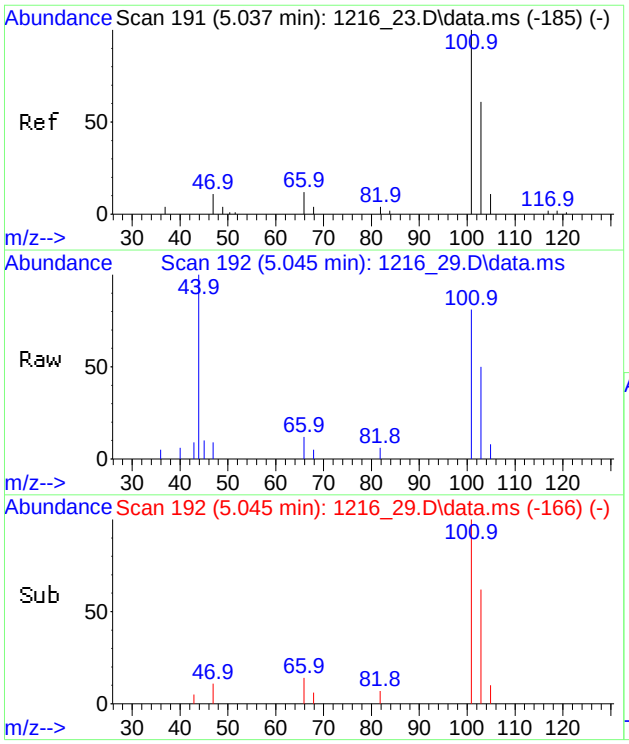


#12
Acetone
Conc: 8$ 11.506 ppbv
RT: 4.915 min Scan# 176
Delta R.T. 0.007 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion: 43 Resp: 803949

Ion	Ratio	Lower	Upper
43	100		
58	20.8	0.2	0.2#

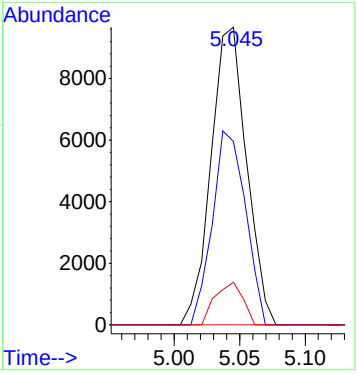


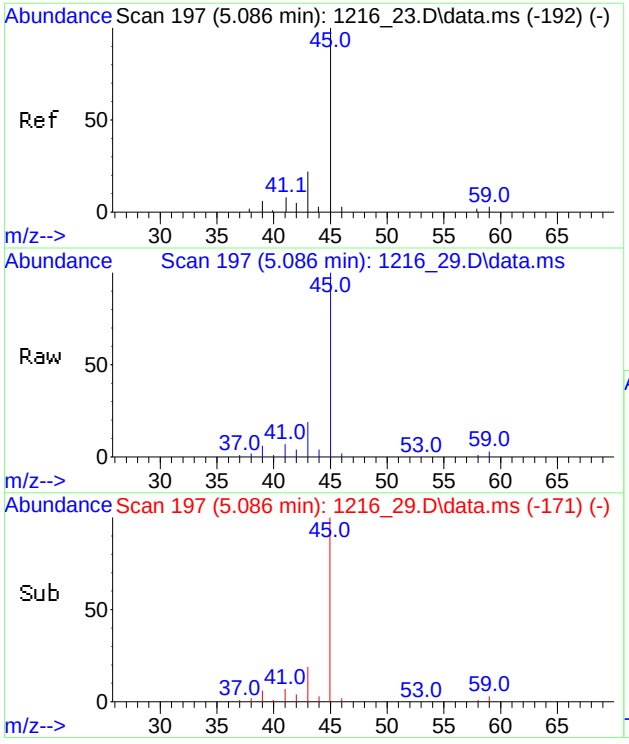


#13
Trichlorofluoromethane
Conc: 8$ 0.203 ppbv
RT: 5.045 min Scan# 192
Delta R.T. 0.008 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion:101 Resp: 18275

Ion	Ratio	Lower	Upper
101	100		
103	60.6	49.8	74.8
66	11.2	12.1	18.1#

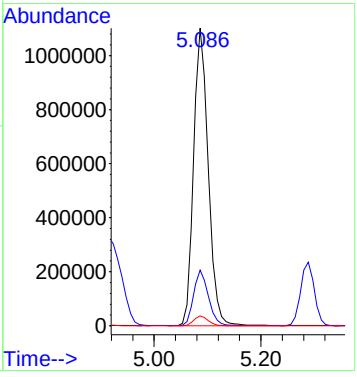


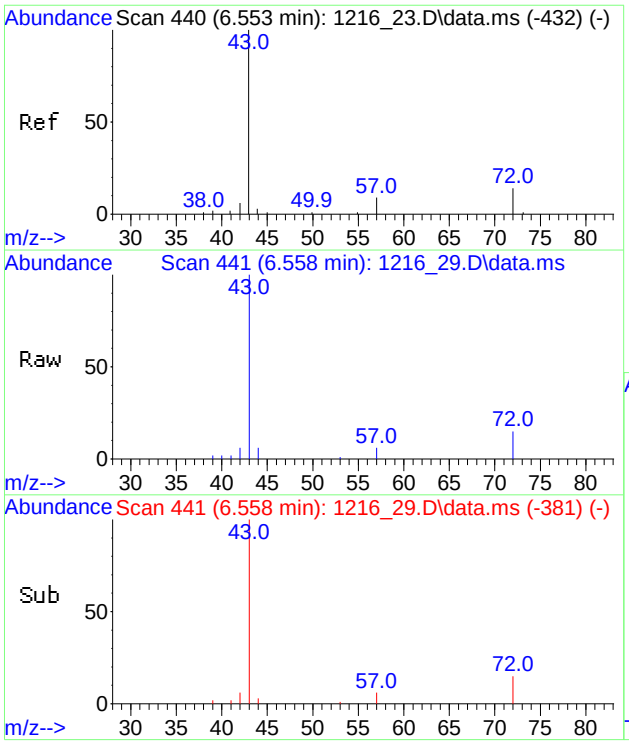


#14
Isopropylalcohol
Conc: 8$ 26.503 ppbv
RT: 5.086 min Scan# 197
Delta R.T. 0.008 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion: 45 Resp: 2083149

Ion	Ratio	Lower	Upper
45	100		
43	18.7	0.0	0.0#
59	3.3	0.6	1.0#

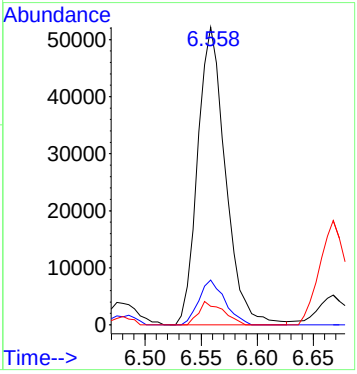


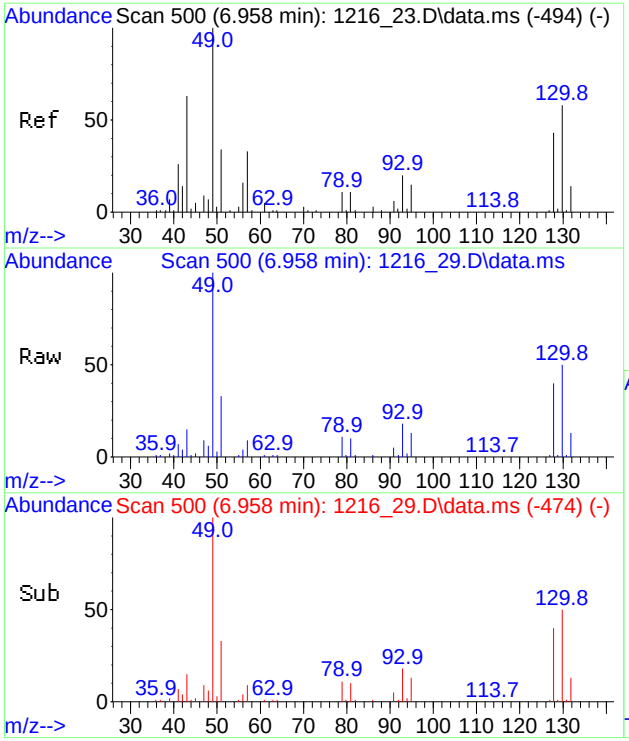


#25
Methyl Ethyl Ketone
Conc: 8$ 0.879 ppbv
RT: 6.558 min Scan# 441
Delta R.T. 0.015 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion: 43 Resp: 89989

Ion	Ratio	Lower	Upper
43	100		
72	14.1	0.0	0.0#
57	6.9	0.2	0.4#

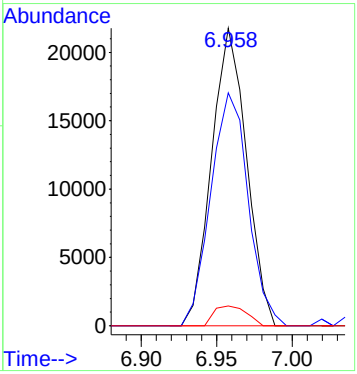


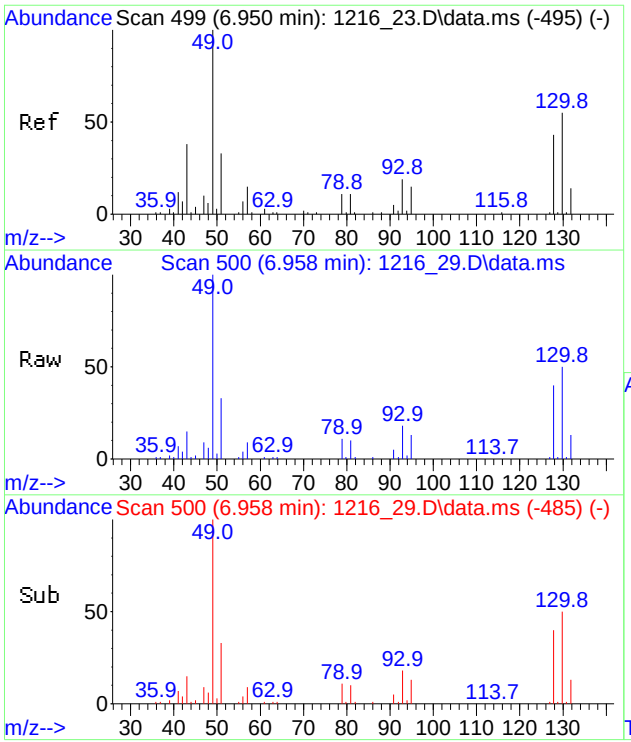


#27
Hexane
Conc: 8$ 0.493 ppbv
RT: 6.958 min Scan# 500
Delta R.T. -0.000 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion: 57 Resp: 35012

Ion	Ratio	Lower	Upper
57	100		
41	83.9	73.0	109.6
86	6.2	9.8	14.8#

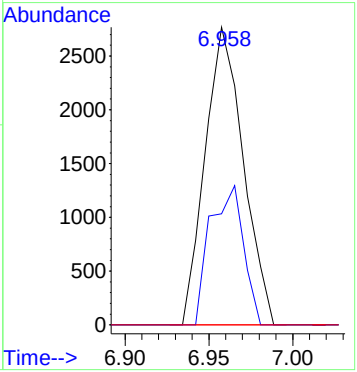


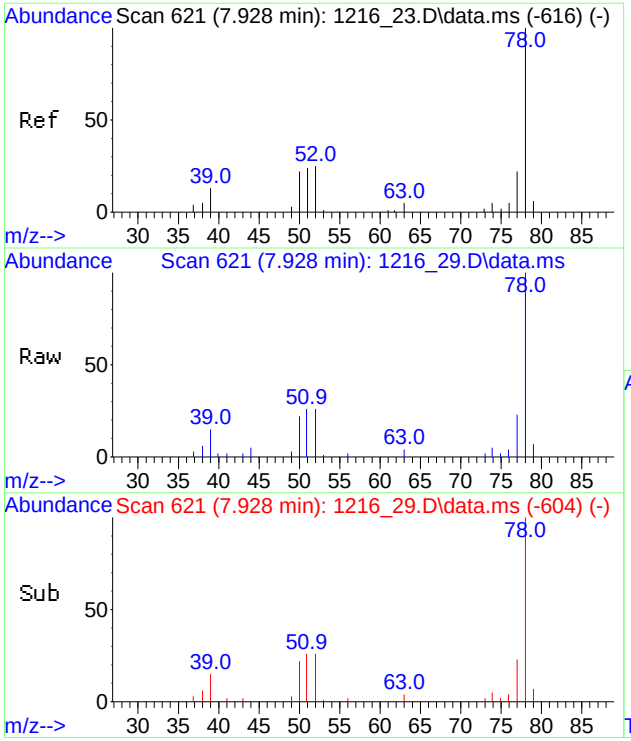


#29
Ethyl acetate
Conc: 8$ 0.298 ppbv
RT: 6.958 min Scan# 500
Delta R.T. 0.016 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion: 61 Resp: 4388

Ion	Ratio	Lower	Upper
61	100		
70	40.8	62.8	94.2#
88	0.0	14.7	22.1#

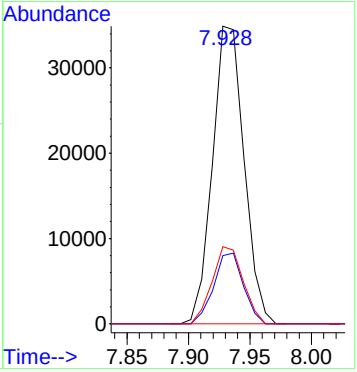


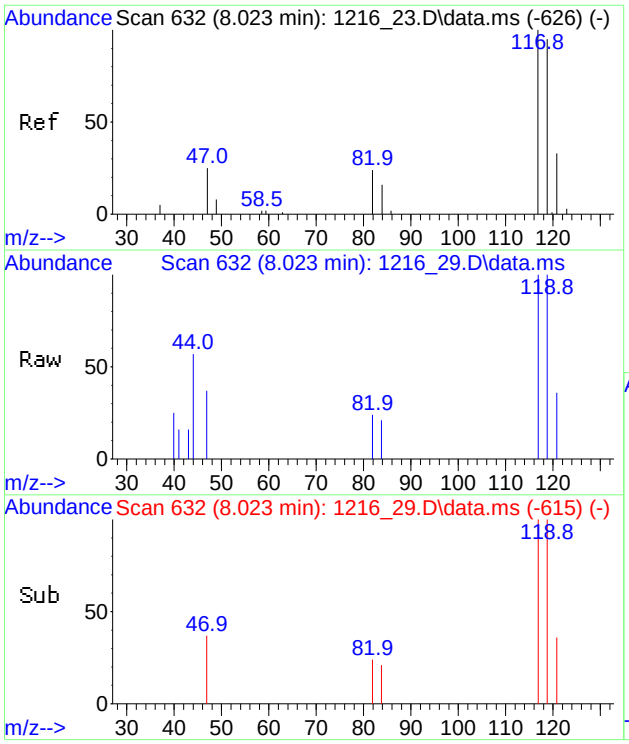


#33
Benzene
Conc: 8$ 0.554 ppbv
RT: 7.928 min Scan# 621
Delta R.T. -0.000 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion: 78 Resp: 62530

Ion	Ratio	Lower	Upper
78	100		
77	22.3	17.4	26.0
51	25.4	15.8	23.6#

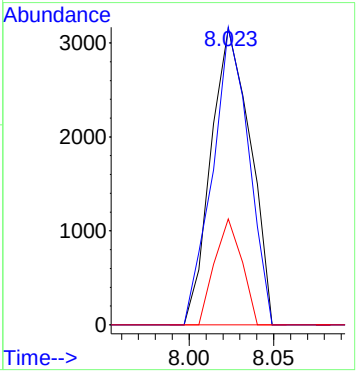


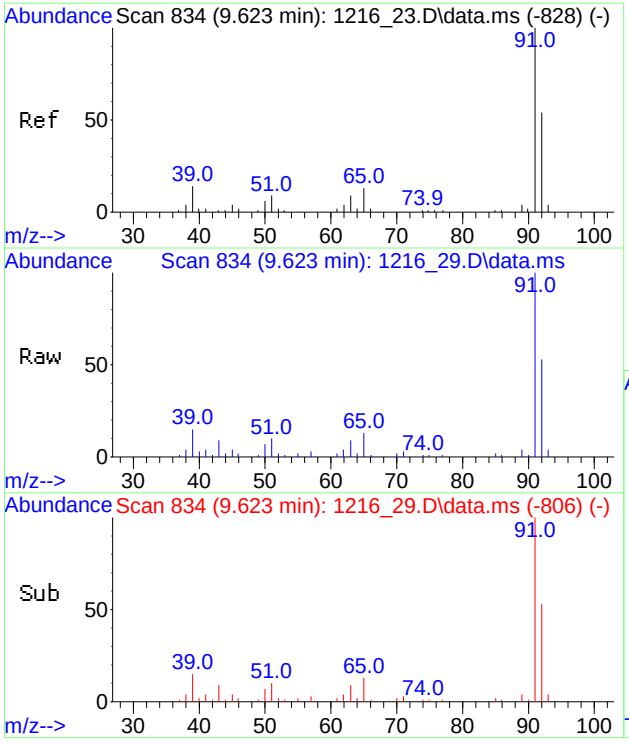


#34
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 8.023 min Scan# 632
Delta R.T. 0.000 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion:117 Resp: 5102

Ion	Ratio	Lower	Upper
117	100		
119	92.2	74.9	114.9
121	24.8	11.2	51.2

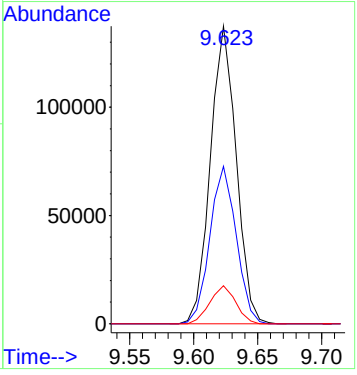


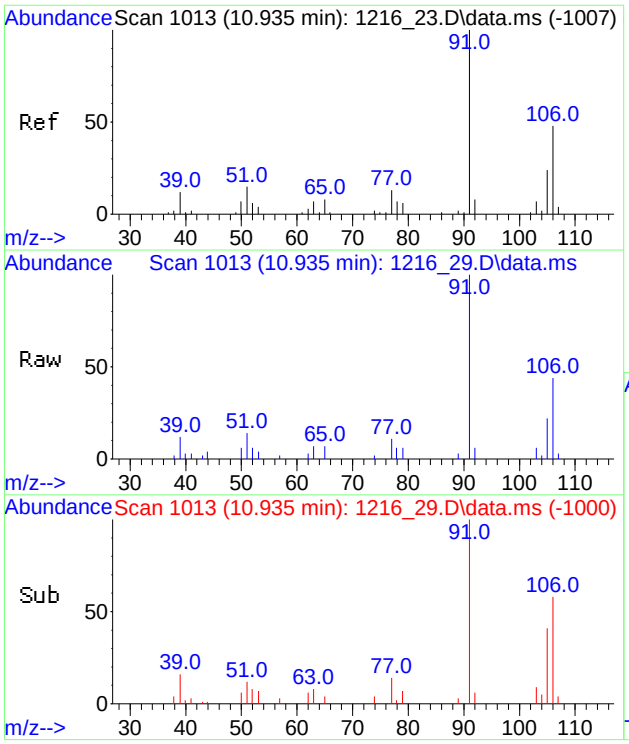


#48
Toluene
Conc: 8$ 1.378 ppbv
RT: 9.623 min Scan# 834
Delta R.T. -0.001 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion: 91 Resp: 192557

Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.8	65.8
65	12.8	10.6	16.0

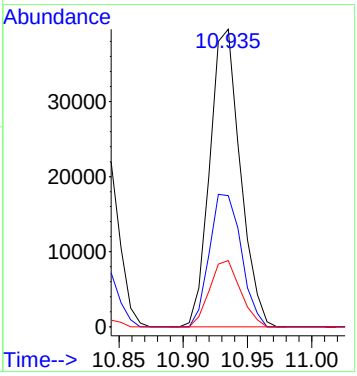


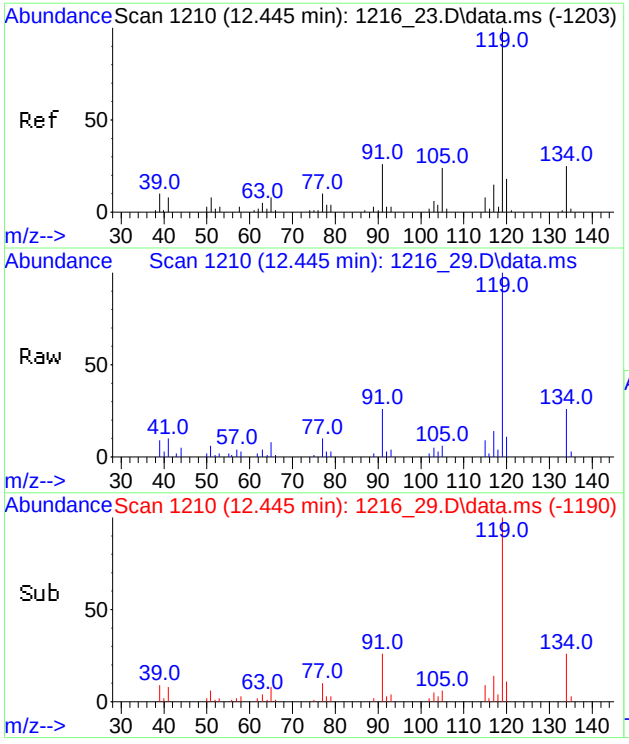


#57
m,p-Xylene
Conc: 8$ 0.538 ppbv
RT: 10.935 min Scan# 1013
Delta R.T. -0.000 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion: 91 Resp: 65601

Ion	Ratio	Lower	Upper
91	100		
106	46.5	0.0	0.0#
105	22.5	0.0	0.0#

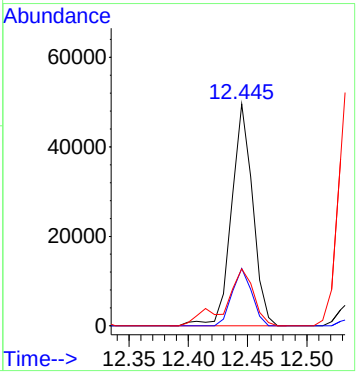


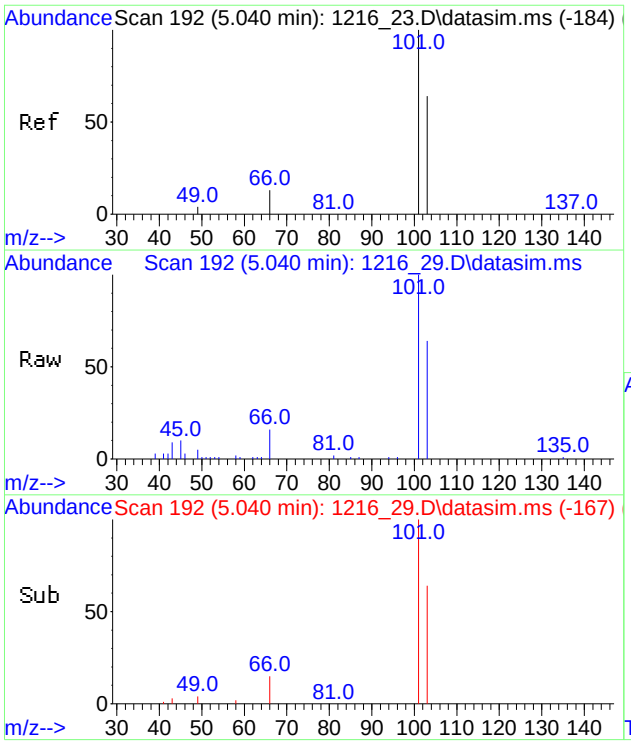


#74
4-Isopropyltoluene
Conc: 8$ 0.311 ppbv
RT: 12.445 min Scan# 1210
Delta R.T. -0.000 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion:119 Resp: 61709

Ion	Ratio	Lower	Upper
119	100		
134	24.0	0.0	0.0#
91	34.1	0.0	0.0#

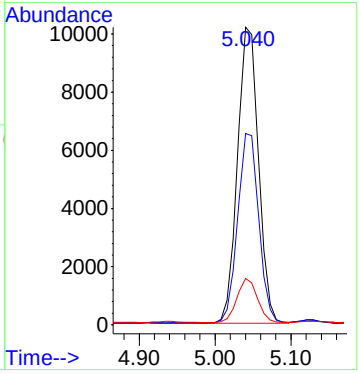


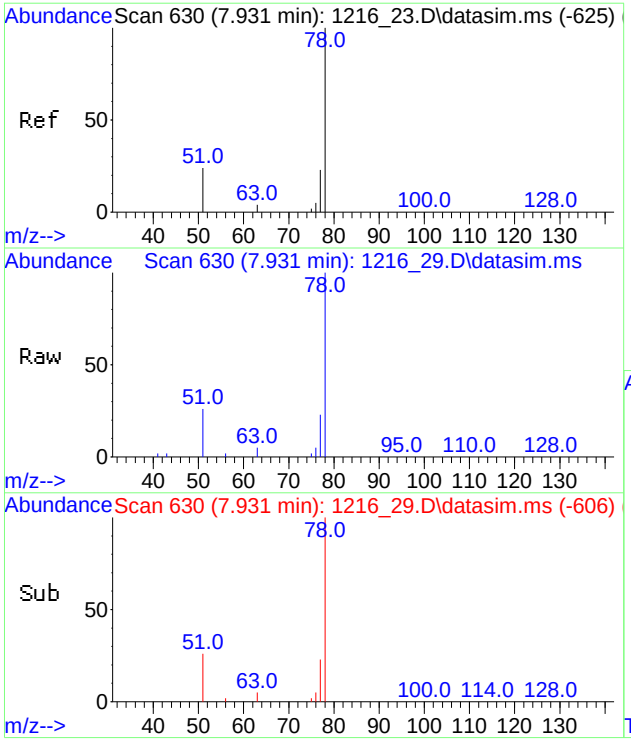


#84
Trichlorofluoromethane(sim)
Conc: 8$ 0.195 ppbv
RT: 5.040 min Scan# 192
Delta R.T. 0.000 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion:101 Resp: 19607

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.0
66	14.5	15.1	15.1#

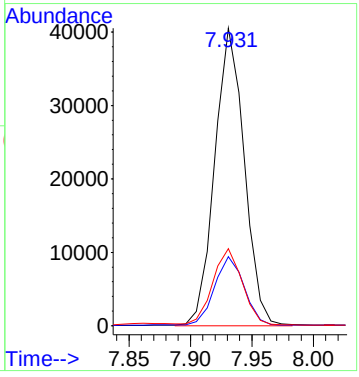


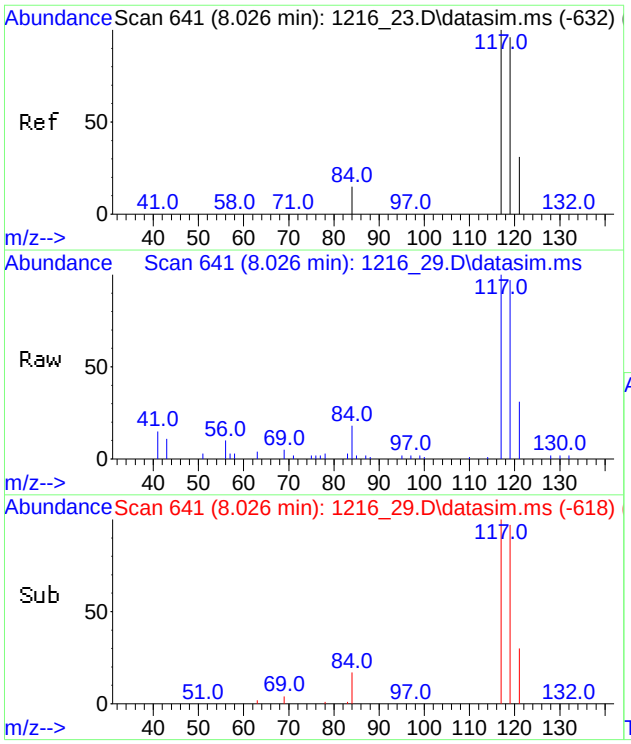


#87
Benzene(sim)
Conc: 8$ 0.491 ppbv
RT: 7.928 min Scan# 630
Delta R.T. -0.000 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion: 78 Resp: 62530

Ion	Ratio	Lower	Upper
78	100		
77	22.3	17.4	26.0
51	25.4	15.8	23.6#

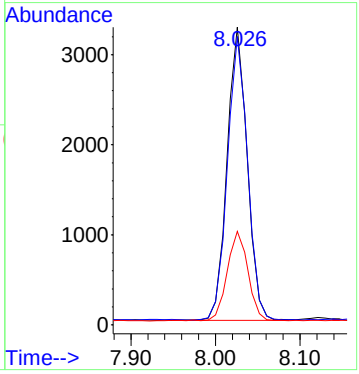


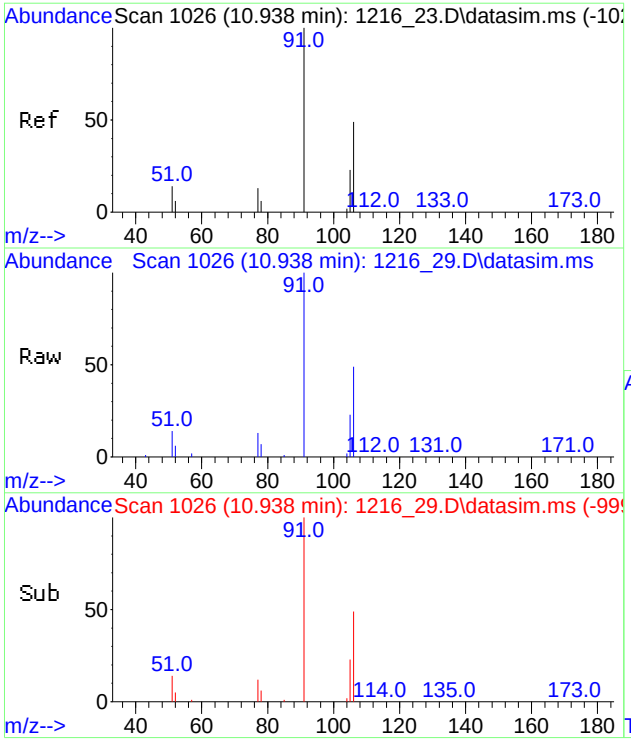


#88
Carbon Tetrachloride(sim)
Conc: 8$ 0.068 ppbv
RT: 8.026 min Scan# 641
Delta R.T. -0.000 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion:117 Resp: 5409

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.6	115.0
121	31.6	24.2	36.4

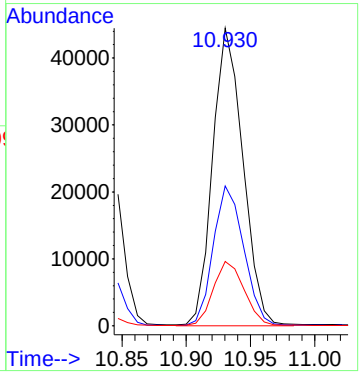


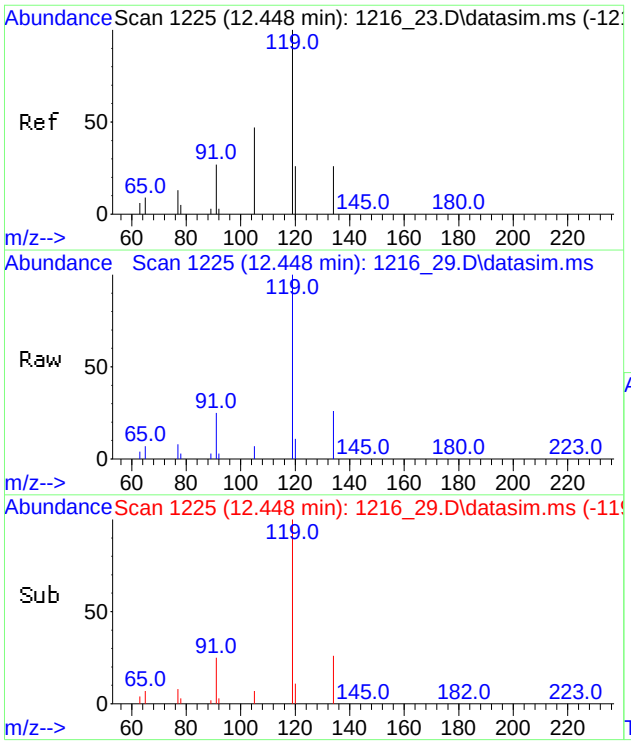


#107
m,p-Xylene(sim)
Conc: 8$ 0.468 ppbv
RT: 10.935 min Scan# 1026
Delta R.T. -0.000 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion: 91 Resp: 65601

Ion	Ratio	Lower	Upper
91	100		
106	46.5	39.6	48.4
105	22.5	16.6	24.8

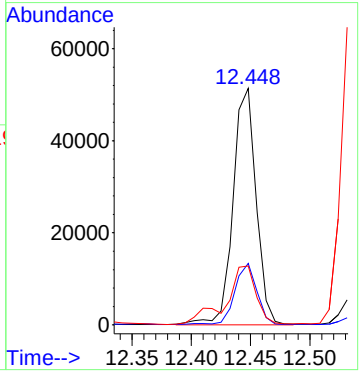




#113
4-Isopropyltoluene(sim)
Conc: 8$ 0.276 ppbv
RT: 12.445 min Scan# 1225
Delta R.T. -0.000 min
Lab File: 1216_29.D
Acq: 17 Dec 2025 8:05 pm

Tgt Ion:119 Resp: 61709

Ion	Ratio	Lower	Upper
119	100		
134	24.0	17.7	26.5
91	34.1	35.4	53.0#



1

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 4210

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CANISTER BLK 4210

Canister: CANBL Lab File ID: 1204_29.D

Instrument: CHEM24 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 12/05/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	0.421	U	0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 4210

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CANISTER BLK 4210

Canister: CANBL Lab File ID: 1204_29.D

Instrument: CHEM24 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 12/05/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Batch Canister Certification

January 05, 2026

Batch Id: 4210

QC Canister Id: 841

SDG ID: GCU98120

Sample Canister Ids: 49198

Certification Date: 12/05/25 8:14 AM

Data File: H:\AIR2025\CHEM24\12DEC\03\1204_29.D\1204_29-24_AIR_1116.rr

Project ID: 5801 AMBOY ROAD

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1,2-Tetrachloroethane	<0.146	1,1,1-Trichloroethane	<0.183
1,1,2,2-Tetrachloroethane	<0.146	1,1,2-Trichloroethane	<0.183
1,1-Dichloroethane	<0.247	1,1-Dichloroethene	<0.051
1,2,4-Trichlorobenzene	<0.135	1,2,4-Trimethylbenzene	<0.204
1,2-Dibromoethane(EDB)	<0.130	1,2-Dichlorobenzene	<0.166
1,2-Dichloroethane	<0.247	1,2-dichloropropane	<0.217
1,2-Dichlorotetrafluoroethane	<0.143	1,3,5-Trimethylbenzene	<0.204
1,3-Butadiene	<0.452	1,3-Dichlorobenzene	<0.166
1,4-Dichlorobenzene	<0.166	1,4-Dioxane	<0.278
2-Hexanone(MBK)	<0.244	4-Ethyltoluene	<0.204
4-Isopropyltoluene	<0.182	4-Methyl-2-pentanone(MIBK)	<0.244
Acetone	<0.421	Acrylonitrile	<0.461
Benzene	<0.313	Benzyl chloride	<0.193
Bromodichloromethane	<0.149	Bromoform	<0.097
Bromomethane	<0.258	Carbon Disulfide	<0.321
Carbon Tetrachloride	<0.032	Chlorobenzene	<0.217
Chloroethane	<0.379	Chloroform	<0.205
Chloromethane	<0.485	Cis-1,2-Dichloroethene	<0.051
cis-1,3-Dichloropropene	<0.220	Cyclohexane	<0.291
Dibromochloromethane	<0.117	Dichlorodifluoromethane	<0.202
Ethanol	<0.531	Ethyl acetate	<0.278
Ethylbenzene	<0.230	Heptane	<0.244
Hexachlorobutadiene	<0.094	Hexane	<0.284
Isooctane	<0.215	Isopropylalcohol	<0.407
Isopropylbenzene	<0.204	m,p-Xylene	<0.230
Methyl Ethyl Ketone	<0.339	Methyl tert-butyl ether(MTBE)	<0.278
Methylene Chloride	<0.863	Naphthalene	<0.200
n-Butylbenzene	<0.182	o-Xylene	<0.230
Propylene	<0.581	sec-Butylbenzene	<0.182
Styrene	<0.235	Tetrachloroethene	<0.037
Tetrahydrofuran	<0.339	Toluene	<0.266
Trans-1,2-Dichloroethene	<0.252	trans-1,3-Dichloropropene	<0.220
Trichloroethene	<0.037	Trichlorofluoromethane	<0.178
Trichlorotrifluoroethane	<0.131	Vinyl Chloride	<0.078

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\03\
Data File : 1204_29.D
Acq On : 5 Dec 2025 8:14 am
Operator : Keith
Client ID : CANISTER BLK 4210
Lab ID : CANISTER BLK 4210
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 05 09:16:21 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

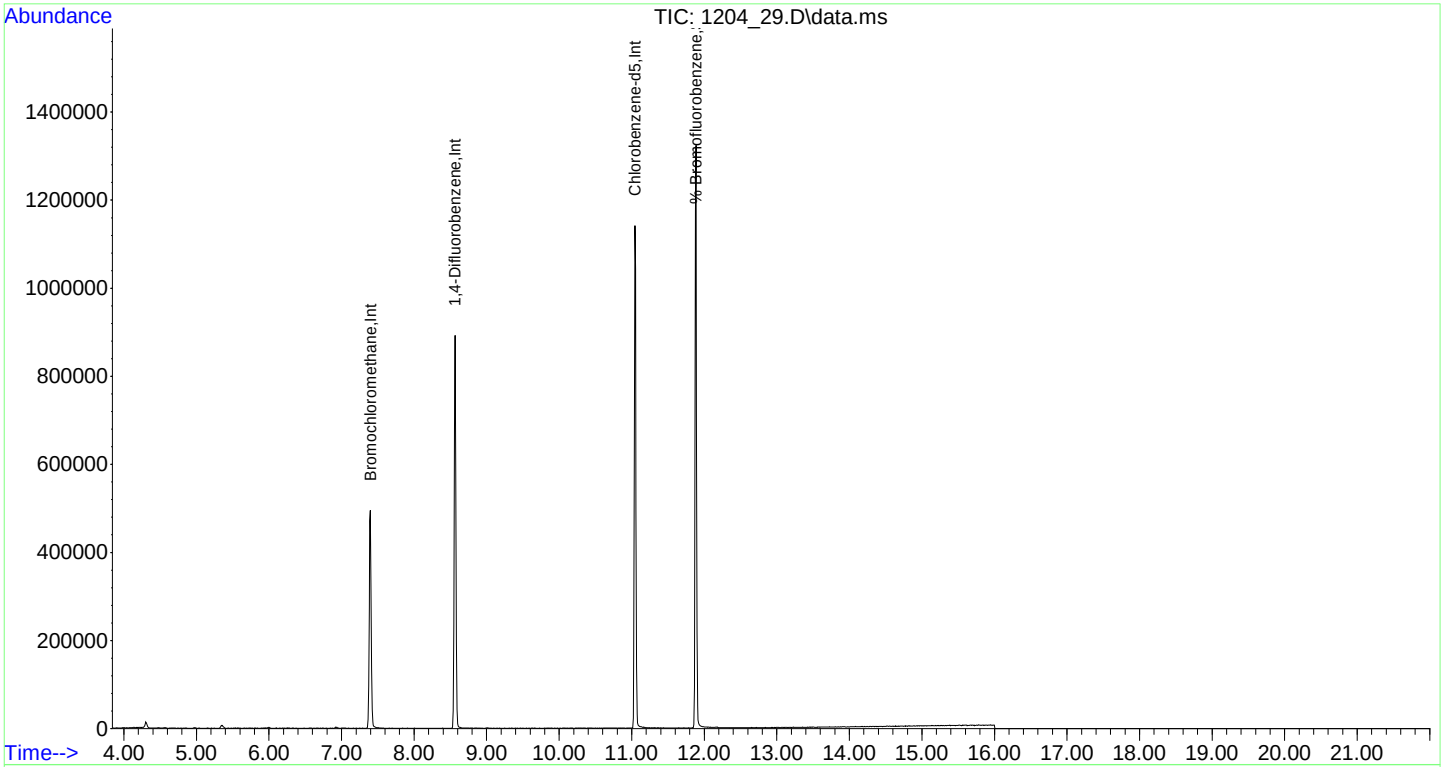
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	189920	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	660729	10.000	ng		0.00
53) Chlorobenzene-d5	11.043	82	311300	10.000	ng		0.00
80) Bromochloromethane(sim)	7.392	130	211606	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	660729	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.043	82	311300	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	384094	9.894	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.90%			
Target Compounds							Qvalue

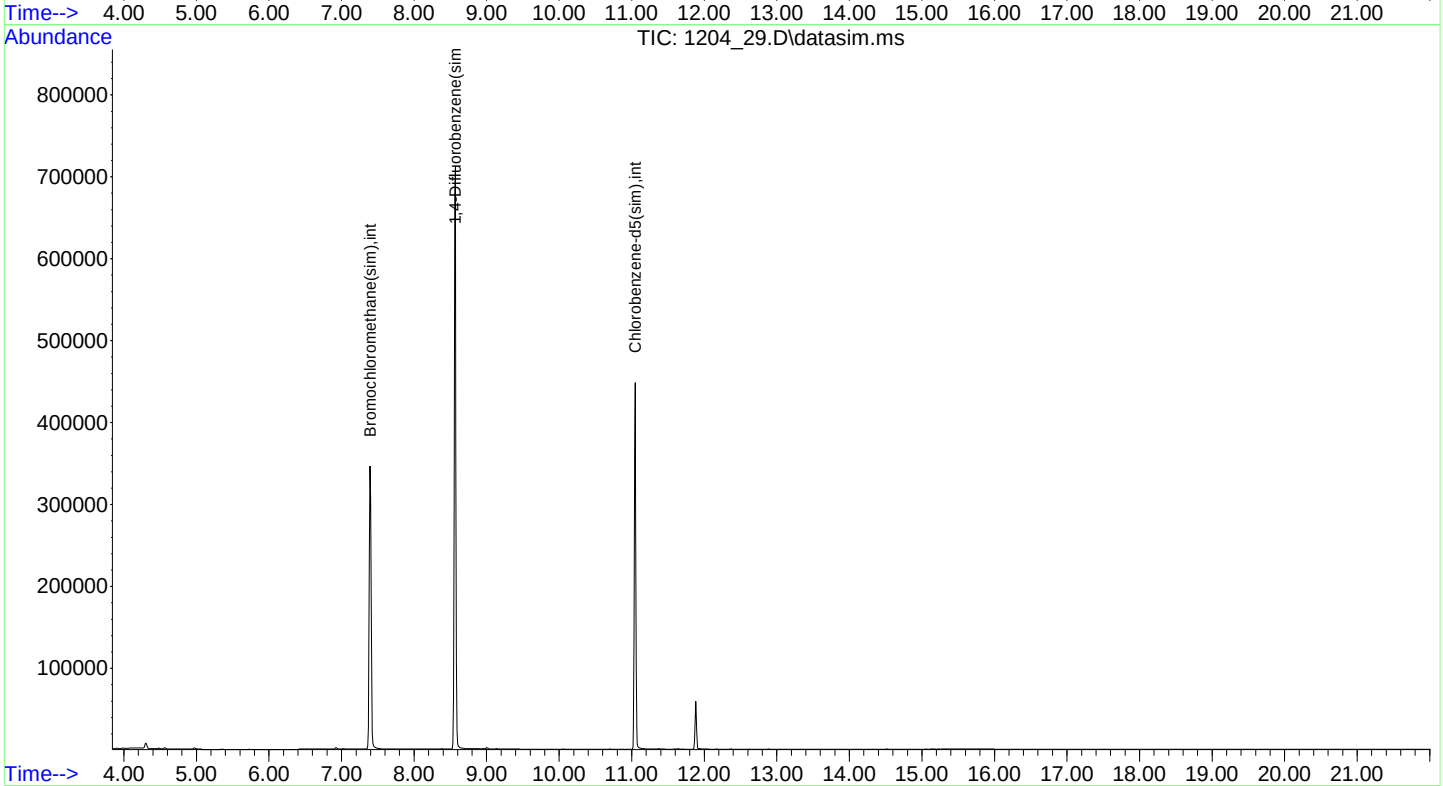
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\03\
Data File : 1204_29.D
Acq On : 5 Dec 2025 8:14 am
Operator : Keith
Client ID : CANISTER BLK 4210
Lab ID : CANISTER BLK 4210
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 05 09:16:21 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration





1

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 4212

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CANISTER BLK 4212

Canister: CANBL Lab File ID: 1205_18.D

Instrument: CHEM24 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 12/06/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	0.421	U	0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 4212

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98120 Lab Sample ID: CANISTER BLK 4212

Canister: CANBL Lab File ID: 1205_18.D

Instrument: CHEM24 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 12/06/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Batch Canister Certification

January 05, 2026

Batch Id: 4212

QC Canister Id: 847

SDG ID: GCU98120

Sample Canister Ids: 23872, 53443, 53445

Certification Date: 12/06/25 12:48 AM

Data File: H:\AIR2025\CHEM24\12DEC\05\1205_18.D\1205_18-24_AIR_1116.rr

Project ID: 5801 AMBOY ROAD

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1,2-Tetrachloroethane	<0.146	1,1,1-Trichloroethane	<0.183
1,1,2,2-Tetrachloroethane	<0.146	1,1,2-Trichloroethane	<0.183
1,1-Dichloroethane	<0.247	1,1-Dichloroethene	<0.051
1,2,4-Trichlorobenzene	<0.135	1,2,4-Trimethylbenzene	<0.204
1,2-Dibromoethane(EDB)	<0.130	1,2-Dichlorobenzene	<0.166
1,2-Dichloroethane	<0.247	1,2-dichloropropane	<0.217
1,2-Dichlorotetrafluoroethane	<0.143	1,3,5-Trimethylbenzene	<0.204
1,3-Butadiene	<0.452	1,3-Dichlorobenzene	<0.166
1,4-Dichlorobenzene	<0.166	1,4-Dioxane	<0.278
2-Hexanone(MBK)	<0.244	4-Ethyltoluene	<0.204
4-Isopropyltoluene	<0.182	4-Methyl-2-pentanone(MIBK)	<0.244
Acetone	<0.421	Acrylonitrile	<0.461
Benzene	<0.313	Benzyl chloride	<0.193
Bromodichloromethane	<0.149	Bromoform	<0.097
Bromomethane	<0.258	Carbon Disulfide	<0.321
Carbon Tetrachloride	<0.032	Chlorobenzene	<0.217
Chloroethane	<0.379	Chloroform	<0.205
Chloromethane	<0.485	Cis-1,2-Dichloroethene	<0.051
cis-1,3-Dichloropropene	<0.220	Cyclohexane	<0.291
Dibromochloromethane	<0.117	Dichlorodifluoromethane	<0.202
Ethanol	<0.531	Ethyl acetate	<0.278
Ethylbenzene	<0.230	Heptane	<0.244
Hexachlorobutadiene	<0.094	Hexane	<0.284
Isooctane	<0.215	Isopropylalcohol	<0.407
Isopropylbenzene	<0.204	m,p-Xylene	<0.230
Methyl Ethyl Ketone	<0.339	Methyl tert-butyl ether(MTBE)	<0.278
Methylene Chloride	<0.863	Naphthalene	<0.200
n-Butylbenzene	<0.182	o-Xylene	<0.230
Propylene	<0.581	sec-Butylbenzene	<0.182
Styrene	<0.235	Tetrachloroethene	<0.037
Tetrahydrofuran	<0.339	Toluene	<0.266
Trans-1,2-Dichloroethene	<0.252	trans-1,3-Dichloropropene	<0.220
Trichloroethene	<0.037	Trichlorofluoromethane	<0.178
Trichlorotrifluoroethane	<0.131	Vinyl Chloride	<0.078

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\05\
Data File : 1205_18.D
Acq On : 6 Dec 2025 12:48 am
Operator : Keith
Client ID : CANISTER BLK 4212
Lab ID : CANISTER BLK 4212
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 06 07:33:15 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

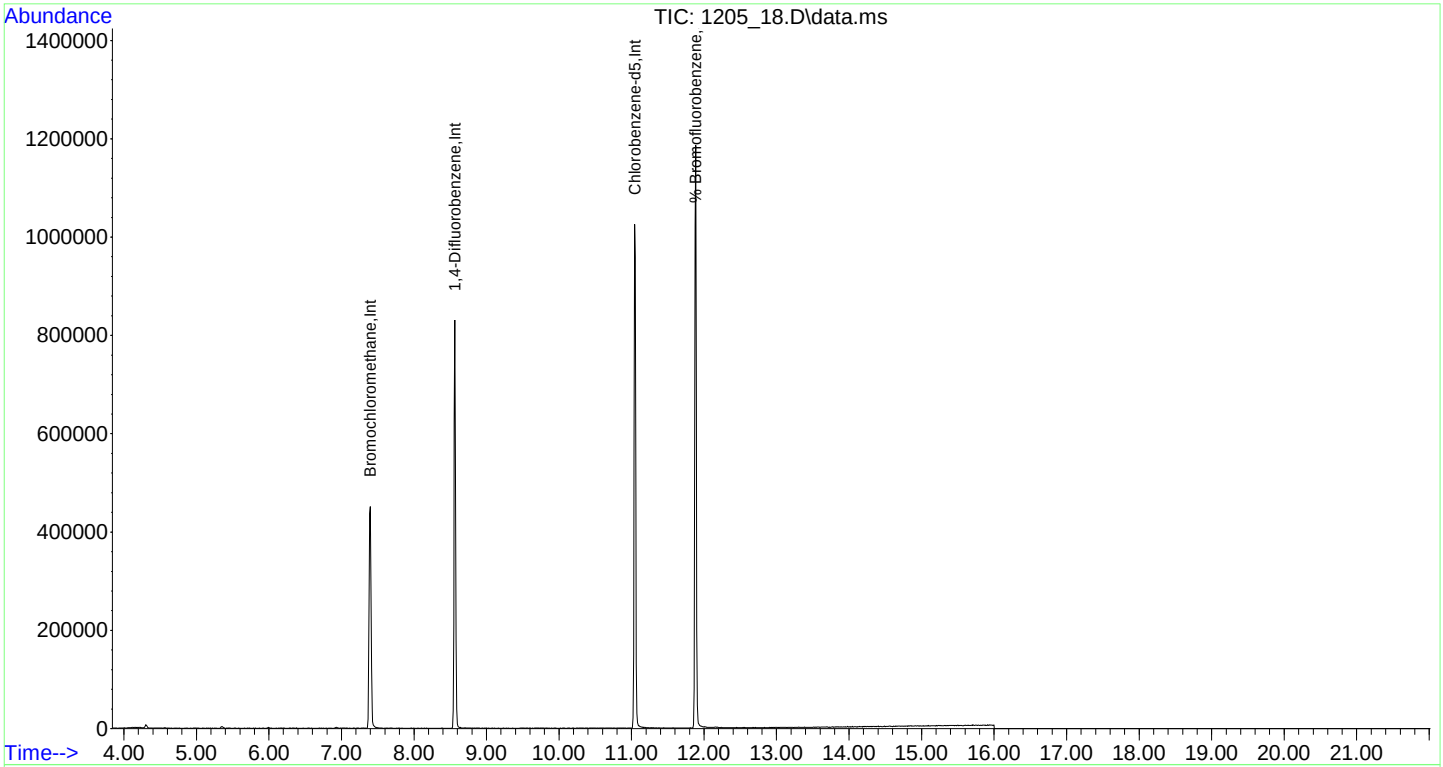
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	174695	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	612510	10.000	ng		0.00
53) Chlorobenzene-d5	11.043	82	285120	10.000	ng		0.00
80) Bromochloromethane(sim)	7.392	130	194921	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	612111	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.043	82	285120	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	339247	9.541	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.40%			
Target Compounds							Qvalue

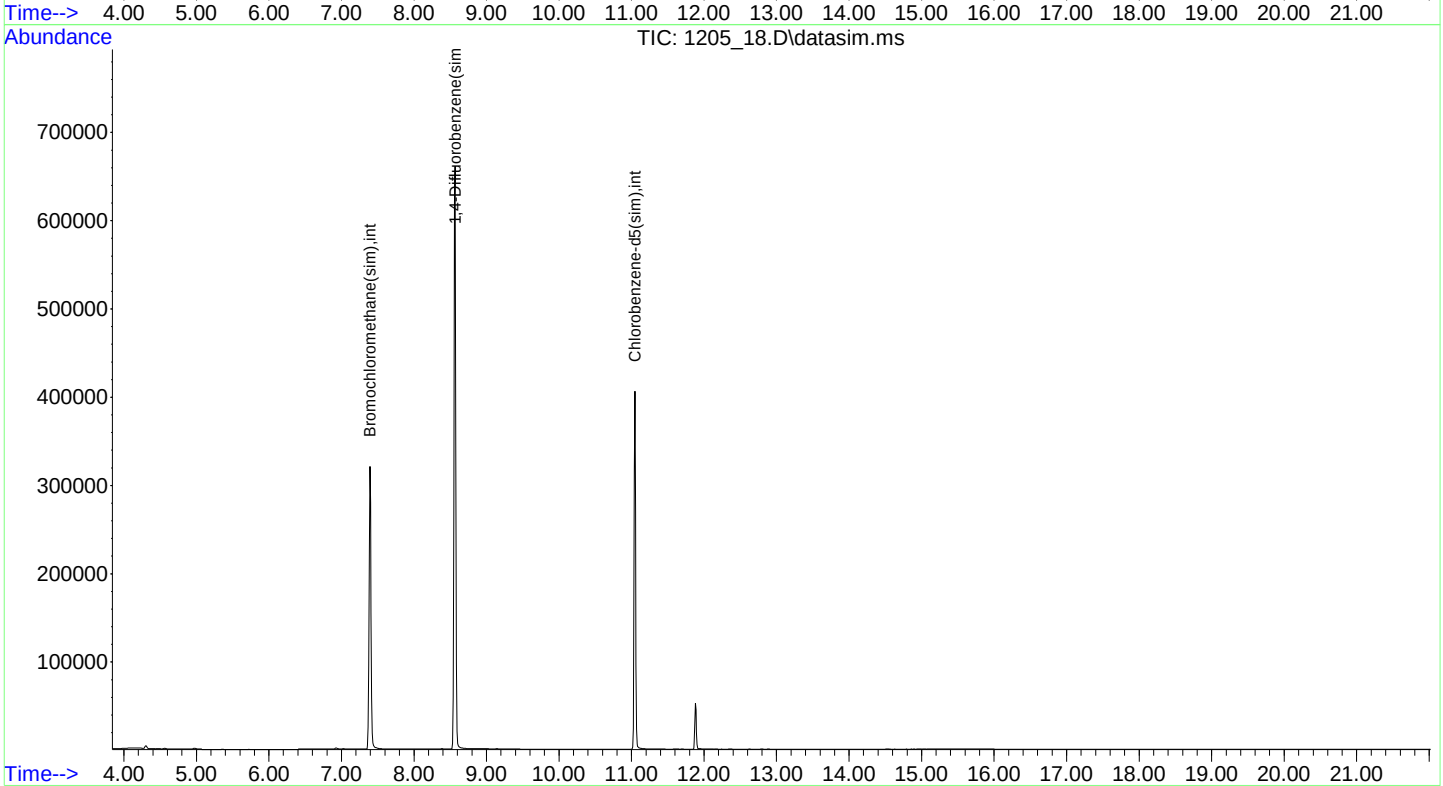
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\05\
Data File : 1205_18.D
Acq On : 6 Dec 2025 12:48 am
Operator : Keith
Client ID : CANISTER BLK 4212
Lab ID : CANISTER BLK 4212
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 06 07:33:15 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration





Injection Log

Data Directory: H:\AIR2025\CHEM20\12DEC\04\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	28	1204_02.D	xxxxxxxxxx		12/04/25 9:53
2)	28	1204_03.D	xxxxxxxxxx		12/04/25 10:48
3)	29	1204_04.D	xxxxxxxxxx		12/04/25 11:23
4)	1	1204_05.D	xxxxxxxxxx		12/04/25 11:57
5)	2	1204_06.D	xxxxxxxxxx		12/04/25 12:30
6)	35	1204_10.D	xxxxxxxxxx		12/04/25 13:40
7)	36	1204_11.D	xxxxxxxxxx		12/04/25 14:10
8)	37	1204_12.D	xxxxxxxxxx		12/04/25 14:41
9)	38	1204_13.D	BFB TUNE	0/0; ITSD AIR36F	12/04/25 15:12
10)	31	1204_14.D	ICAL 0.01	0.01 ppb; TO1515A	12/04/25 16:03
11)	1	1204_15.D	ICAL 0.02	0.02 ppb; TO1515A	12/04/25 16:36
12)	2	1204_16.D	ICAL 0.035	0.035 ppb; TO1515A	12/04/25 17:10
13)	3	1204_17.D	ICAL 0.05	0.05 ppb; TO1515A	12/04/25 17:45
14)	4	1204_18.D	ICAL 0.1	0.10 ppb; TO1515A	12/04/25 18:17
15)	5	1204_19.D	ICAL 0.2	0.20 ppb; TO1515A	12/04/25 18:49
16)	6	1204_20.D	ICAL 0.5	0.50 ppb; TO1515A	12/04/25 19:23
17)	7	1204_21.D	ICAL 2.5	2.5 ppb; TO1514Z	12/04/25 19:58
18)	8	1204_22.D	ICAL 5	5.0 ppb; TO1514Y	12/04/25 20:30
19)	10	1204_23.D	ICAL 25	25 ppb; TO1514Y	12/04/25 21:04
20)	10	1204_24.D	ICAL 40	40ppb; TO1514Y	12/04/25 21:41
21)	11	1204_25.D	ICAL 1	1ppb tune/cc; TO1514	12/04/25 22:13
22)	12	1204_26.D	ICAL 10	10ppb; TO1514Y	12/04/25 22:46
23)	13	1204_27.D	ICV_CHEM20_1204	10ppb lcs; TO1514X	12/04/25 23:20
24)	14	1204_28.D	xxxxxxxxxx		12/04/25 23:51
25)	32	1204_29.D	xxxxxxxxxx		12/05/25 0:23

Injection Log

Data Directory: H:\AIR2025\CHEM20\12DEC\16\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	1	1216_01.D	xxxxxxxxxx		12/16/25 11:51
2)	28	1216_02.D	xxxxxxxxxx		12/16/25 12:24
3)	28	1216_03.D	xxxxxxxxxx		12/16/25 12:57
4)	29	1216_04.D	xxxxxxxxxx		12/16/25 13:31
5)	1	1216_05.D	xxxxxxxxxx		12/16/25 14:02
6)	2	1216_06.D	xxxxxxxxxx		12/16/25 14:35
7)	3	1216_07.D	xxxxxxxxxx		12/16/25 19:43
8)	4	1216_08.D	xxxxxxxxxx		12/16/25 20:22
9)	5	1216_09.D	xxxxxxxxxx		12/16/25 21:01
10)	6	1216_10.D	xxxxxxxxxx		12/16/25 21:36
11)	7	1216_11.D	xxxxxxxxxx		12/16/25 22:49
12)	8	1216_12.D	xxxxxxxxxx		12/16/25 23:21
13)	9	1216_13.D	xxxxxxxxxx		12/16/25 23:54
14)	10	1216_14.D	xxxxxxxxxx		12/17/25 0:26
15)	11	1216_15.D	xxxxxxxxxx		12/17/25 0:58
16)	12	1216_16.D	xxxxxxxxxx		12/17/25 1:31
17)	13	1216_17.D	xxxxxxxxxx		12/17/25 2:02
18)	14	1216_18.D	xxxxxxxxxx		12/17/25 2:37
19)	15	1216_19.D	xxxxxxxxxx		12/17/25 9:29
20)	16	1216_20.D	xxxxxxxxxx		12/17/25 10:25
21)	17	1216_21.D	xxxxxxxxxx		12/17/25 10:57
22)	19	1216_23.D	BFB TUNE - CCAL 1	1ppb ccal; TO1516S	12/17/25 11:30
23)	20	1216_24.D	xxxxxxxxxx		12/17/25 12:03
24)	21	1216_25.D	CU98007 LCS	CU98007 LCS	12/17/25 12:37
25)	22	1216_26.D	CU98007 BLANK	CU98007 BLANK	12/17/25 13:08
26)	23	1216_27.D	xxxxxxxxxx		12/17/25 13:41
27)	24	1216_28.D	CU98007 QC	CU98007 QC	12/17/25 19:29
28)	25	1216_29.D	CU98007 DUP	CU98007 DUP	12/17/25 20:05
29)	26	1216_30.D	xxxxxxxxxx		12/17/25 20:41
30)	27	1216_31.D	xxxxxxxxxx		12/17/25 21:19
31)	28	1216_32.D	IA-3	CU98120	12/17/25 21:55
32)	29	1216_33.D	IA-2	CU98121	12/17/25 22:30
33)	30	1216_34.D	AA-1	CU98122	12/17/25 23:05
34)	31	1216_35.D	IA-1	CU98123	12/17/25 23:41
35)	32	1216_36.D	xxxxxxxxxx		12/18/25 0:13
36)	33	1216_37.D	xxxxxxxxxx		12/18/25 0:46
37)	34	1216_38.D	xxxxxxxxxx		12/18/25 1:18
38)	35	1216_39.D	xxxxxxxxxx		12/18/25 1:51
39)	36	1216_40.D	xxxxxxxxxx		12/18/25 2:24
40)	37	1216_41.D	xxxxxxxxxx		12/18/25 2:56
41)	38	1216_42.D	xxxxxxxxxx		12/18/25 3:29
42)	39	1216_43.D	xxxxxxxxxx		12/18/25 4:01
43)	40	1216_44.D	xxxxxxxxxx		12/18/25 4:32
44)	41	1216_45.D	CCCAL 1	1ppb ccal; TO1516S	12/18/25 9:06
45)	42	1216_46.D	xxxxxxxxxx		12/18/25 9:39

Injection Log

Data Directory: H:\AIR2025\CHEM24\12DEC\03\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	0	1205_03.D	xxxxxxxxxx		N/A
2)	0	1204_34.D	xxxxxxxxxx		N/A
3)	1	1203_01.D	xxxxxxxxxx		12/03/25 13:22
4)	2	1203_02.D	xxxxxxxxxx		12/03/25 13:58
5)	3	1203_03.D	xxxxxxxxxx		12/03/25 14:35
6)	4	1203_04.D	xxxxxxxxxx		12/03/25 15:13
7)	5	1203_05.D	xxxxxxxxxx		12/03/25 15:47
8)	6	1203_06.D	xxxxxxxxxx		12/03/25 16:21
9)	7	1203_07.D	xxxxxxxxxx		12/03/25 18:45
10)	8	1203_08.D	xxxxxxxxxx		12/03/25 19:27
11)	9	1203_09.D	xxxxxxxxxx		12/03/25 20:10
12)	10	1203_10.D	xxxxxxxxxx		12/03/25 20:50
13)	11	1203_11.D	xxxxxxxxxx		12/03/25 21:31
14)	12	1203_12.D	xxxxxxxxxx		12/03/25 22:11
15)	13	1203_13.D	xxxxxxxxxx		12/03/25 22:54
16)	14	1203_14.D	xxxxxxxxxx		12/03/25 23:32
17)	15	1203_15.D	xxxxxxxxxx		12/04/25 0:10
18)	16	1203_16.D	xxxxxxxxxx		12/04/25 0:49
19)	17	1203_17.D	xxxxxxxxxx		12/04/25 1:26
20)	18	1203_18.D	xxxxxxxxxx		12/04/25 2:03
21)	19	1203_19.D	xxxxxxxxxx		12/04/25 2:41
22)	20	1203_20.D	xxxxxxxxxx		12/04/25 3:16
23)	21	1203_21.D	xxxxxxxxxx		12/04/25 3:52
24)	22	1203_22.D	xxxxxxxxxx		12/04/25 10:04
25)	23	1203_23.D	xxxxxxxxxx		12/04/25 10:41
26)	24	1203_24.D	xxxxxxxxxx		12/04/25 11:21
27)	25	1203_25.D	xxxxxxxxxx		12/04/25 11:57
28)	26	1203_26.D	xxxxxxxxxx		12/04/25 12:32
29)	1	1204_01.D	xxxxxxxxxx		12/04/25 13:08
30)	1	1204_02.D	xxxxxxxxxx		12/04/25 13:43
31)	1	1204_03.D	xxxxxxxxxx		12/04/25 14:19
32)	1	1204_04.D	xxxxxxxxxx		12/04/25 14:56
33)	1	1204_05.D	xxxxxxxxxx		12/04/25 15:31
34)	1	1204_06.D	xxxxxxxxxx		12/04/25 16:08
35)	2	1204_07.D	xxxxxxxxxx		12/04/25 16:47
36)	3	1204_08.D	xxxxxxxxxx		12/04/25 17:26
37)	4	1204_09.D	xxxxxxxxxx		12/04/25 18:08
38)	5	1204_10.D	xxxxxxxxxx		12/04/25 18:53
39)	6	1204_11.D	xxxxxxxxxx		12/04/25 19:35
40)	7	1204_12.D	xxxxxxxxxx		12/04/25 21:39
41)	8	1204_13.D	xxxxxxxxxx		12/04/25 22:20
42)	9	1204_14.D	xxxxxxxxxx		12/04/25 22:58
43)	10	1204_15.D	xxxxxxxxxx		12/04/25 23:36
44)	11	1204_16.D	xxxxxxxxxx		12/05/25 0:14
45)	12	1204_17.D	xxxxxxxxxx		12/05/25 0:53
46)	13	1204_18.D	xxxxxxxxxx		12/05/25 1:32
47)	14	1204_19.D	xxxxxxxxxx		12/05/25 2:13
48)	15	1204_20.D	xxxxxxxxxx		12/05/25 2:48
49)	16	1204_21.D	xxxxxxxxxx		12/05/25 3:23
50)	17	1204_22.D	xxxxxxxxxx		12/05/25 3:59
51)	18	1204_23.D	xxxxxxxxxx		12/05/25 4:35
52)	19	1204_24.D	xxxxxxxxxx		12/05/25 5:09
53)	20	1204_25.D	xxxxxxxxxx		12/05/25 5:46
54)	21	1204_26.D	xxxxxxxxxx		12/05/25 6:20
55)	22	1204_27.D	xxxxxxxxxx		12/05/25 6:56
56)	23	1204_28.D	xxxxxxxxxx		12/05/25 7:35
57)	24	1204_29.D	CANISTER BLK 4210	CANISTER BLK 4210	12/05/25 8:14
58)	25	1204_30.D	xxxxxxxxxx		12/05/25 8:55
59)	26	1204_31.D	xxxxxxxxxx		12/05/25 10:02
60)	27	1204_32.D	xxxxxxxxxx		12/05/25 10:44
61)	28	1204_33.D	xxxxxxxxxx		12/05/25 11:27
62)	2	1205_02.D	xxxxxxxxxx		12/05/25 13:27

Injection Log

Data Directory: H:\AIR2025\CHEM24\12DEC\05\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	0	1206_03.D	xxxxxxxxxx		N/A
2)	1	1205_01.D	xxxxxxxxxx		12/05/25 14:20
3)	2	1205_02.D	xxxxxxxxxx		12/05/25 14:56
4)	3	1205_03.D	xxxxxxxxxx		12/05/25 15:34
5)	4	1205_04.D	xxxxxxxxxx		12/05/25 16:09
6)	5	1205_05.D	xxxxxxxxxx		12/05/25 16:45
7)	6	1205_06.D	xxxxxxxxxx		12/05/25 17:28
8)	7	1205_07.D	xxxxxxxxxx		12/05/25 18:10
9)	8	1205_08.D	xxxxxxxxxx		12/05/25 18:48
10)	9	1205_09.D	xxxxxxxxxx		12/05/25 19:23
11)	10	1205_10.D	xxxxxxxxxx		12/05/25 19:59
12)	11	1205_11.D	xxxxxxxxxx		12/05/25 20:34
13)	12	1205_12.D	xxxxxxxxxx		12/05/25 21:09
14)	13	1205_13.D	xxxxxxxxxx		12/05/25 21:46
15)	14	1205_14.D	xxxxxxxxxx		12/05/25 22:23
16)	15	1205_15.D	xxxxxxxxxx		12/05/25 22:57
17)	16	1205_16.D	xxxxxxxxxx		12/05/25 23:32
18)	17	1205_17.D	xxxxxxxxxx		12/06/25 0:09
19)	18	1205_18.D	CANISTER BLK 4212	CANISTER BLK 4212	12/06/25 0:48
20)	19	1205_19.D	xxxxxxxxxx		12/06/25 1:26
21)	20	1205_20.D	xxxxxxxxxx		12/06/25 2:05
22)	21	1205_21.D	xxxxxxxxxx		12/06/25 2:42
23)	22	1205_22.D	xxxxxxxxxx		12/06/25 3:21
24)	23	1205_23.D	xxxxxxxxxx		12/06/25 4:00
25)	24	1205_24.D	xxxxxxxxxx		12/06/25 4:39
26)	25	1205_25.D	xxxxxxxxxx		12/06/25 5:17
27)	26	1205_26.D	xxxxxxxxxx		12/06/25 5:54
28)	27	1205_27.D	xxxxxxxxxx		12/06/25 6:36
29)	28	1205_28.D	xxxxxxxxxx		12/06/25 7:17
30)	29	1205_29.D	xxxxxxxxxx		12/06/25 7:58
31)	30	1205_30.D	xxxxxxxxxx		12/06/25 8:39
32)	31	1205_31.D	xxxxxxxxxx		12/06/25 9:22
33)	32	1205_32.D	xxxxxxxxxx		12/06/25 10:04
34)	33	1205_33.D	xxxxxxxxxx		12/06/25 10:41
35)	34	1205_34.D	xxxxxxxxxx		12/06/25 11:18
36)	35	1205_35.D	xxxxxxxxxx		12/06/25 11:56
37)	36	1206_01.D	xxxxxxxxxx		12/06/25 12:33
38)	37	1206_02.D	xxxxxxxxxx		12/06/25 13:09

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

Impact Closures

5801 AMBOY ROAD

GCU98124

Ver 1

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Tuesday, January 20, 2026

Attn: Luis Maldonado
Impact Closures
170 Keyland Court
Bohemia NY 11716

Project ID: 5801 AMBOY ROAD
SDG ID: GCU98124
Sample ID#s: CU98124 - CU98126

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Impact Closures

Project: 5801 AMBOY ROAD

Laboratory Project: GCU98124

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

NY Analytical Services Protocol Format

January 20, 2026 **SDG I.D.: GCU98124**

Impact Closures 5801 AMBOY ROAD

Methodology Summary

Volatiles in Air

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15, Second Edition, U. S. Environmental Protection Agency, January 1999.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

January 20, 2026

SDG I.D.: GCU98124

Impact Closures 5801 AMBOY ROAD

Laboratory Chronicle

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CU98124	Volatiles (TO15)	12/16/25	12/18/25	12/18/25	KCA	Y
CU98125	Volatiles (TO15)	12/16/25	12/18/25	12/18/25	KCA	Y
CU98126	Volatiles (TO15)	12/16/25	12/18/25	12/18/25	KCA	Y

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

January 20, 2026

SDG I.D.: GCU98124

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.
Compounds that are detected above MDL but below RL are qualified with a J flag.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Sample Id Cross Reference

January 20, 2026

SDG I.D.: GCU98124

Project ID: 5801 AMBOY ROAD

Client Id	Lab Id	Matrix	Col Date
SS-3	CU98124	AIR	12/16/25 14:44
SS-1	CU98125	AIR	12/16/25 15:12
SS-2	CU98126	AIR	12/16/25 15:01

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

Analysis Report

January 20, 2026

FOR: Attn: Luis Maldonado
Impact Closures
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AD	12/16/25	14:44
Location Code:	IMPACT-ICL	Received by:	B	12/17/25	17:43
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:	17518				
Canister Id:	7635				

Laboratory Data

SDG ID: GCU98124
Phoenix ID: CU98124

Project ID: 5801 AMBOY ROAD
Client ID: SS-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.729*	0.729	ND	*5.00*	5.00	12/18/25	KCA	5	1
1,1,1-Trichloroethane	ND	*0.917*	0.917	ND	*5.00*	5.00	12/18/25	KCA	5	
1,1,2,2-Tetrachloroethane	ND	*0.729*	0.729	ND	*5.00*	5.00	12/18/25	KCA	5	
1,1,2-Trichloroethane	ND	*0.917*	0.917	ND	*5.00*	5.00	12/18/25	KCA	5	
1,1-Dichloroethane	ND	*1.24*	1.24	ND	*5.02*	5.02	12/18/25	KCA	5	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	12/18/25	KCA	5	
1,2,4-Trichlorobenzene	ND	*0.674*	0.674	ND	*5.00*	5.00	12/18/25	KCA	5	
1,2,4-Trimethylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	12/18/25	KCA	5	
1,2-Dibromoethane(EDB)	ND	*0.651*	0.651	ND	*5.00*	5.00	12/18/25	KCA	5	
1,2-Dichlorobenzene	ND	*0.832*	0.832	ND	*5.00*	5.00	12/18/25	KCA	5	
1,2-Dichloroethane	ND	*1.24*	1.24	ND	*5.02*	5.02	12/18/25	KCA	5	
1,2-dichloropropane	ND	*1.08*	1.08	ND	*4.99*	4.99	12/18/25	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	*0.716*	0.716	ND	*5.00*	5.00	12/18/25	KCA	5	
1,3,5-Trimethylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	12/18/25	KCA	5	
1,3-Butadiene	ND	*2.26*	2.26	ND	*5.00*	5.00	12/18/25	KCA	5	
1,3-Dichlorobenzene	ND	*0.832*	0.832	ND	*5.00*	5.00	12/18/25	KCA	5	
1,4-Dichlorobenzene	ND	*0.832*	0.832	ND	*5.00*	5.00	12/18/25	KCA	5	
1,4-Dioxane	ND	*1.39*	1.39	ND	*5.01*	5.01	12/18/25	KCA	5	
2-Hexanone(MBK)	ND	*1.22*	1.22	ND	*4.99*	4.99	12/18/25	KCA	5	1
4-Ethyltoluene	ND	*1.02*	1.02	ND	*5.01*	5.01	12/18/25	KCA	5	1
4-Isopropyltoluene	ND	*0.911*	0.911	ND	*5.00*	5.00	12/18/25	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	*1.22*	1.22	ND	*4.99*	4.99	12/18/25	KCA	5	
Acetone	6.20	*2.11*	2.11	14.7	*5.01*	5.01	12/18/25	KCA	5	
Acrylonitrile	ND	*2.31*	2.31	ND	*5.01*	5.01	12/18/25	KCA	5	
Benzene	ND	*1.57*	1.57	ND	*5.01*	5.01	12/18/25	KCA	5	
Benzyl chloride	ND	*0.966*	0.966	ND	*5.00*	5.00	12/18/25	KCA	5	

Project ID: 5801 AMBOY ROAD
Client ID: SS-3

Phoenix I.D.: CU98124

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.747*	0.747	ND	*5.00*	5.00	12/18/25	KCA	5	
Bromoform	ND	*0.484*	0.484	ND	*5.00*	5.00	12/18/25	KCA	5	
Bromomethane	ND	*1.29*	1.29	ND	*5.01*	5.01	12/18/25	KCA	5	
Carbon Disulfide	ND	*1.61*	1.61	ND	*5.01*	5.01	12/18/25	KCA	5	
Carbon Tetrachloride	ND	*0.159*	0.159	ND	*1.00*	1.00	12/18/25	KCA	5	
Chlorobenzene	ND	*1.09*	1.09	ND	*5.01*	5.01	12/18/25	KCA	5	
Chloroethane	ND	*1.90*	1.90	ND	*5.01*	5.01	12/18/25	KCA	5	
Chloroform	ND	*1.02*	1.02	ND	*4.98*	4.98	12/18/25	KCA	5	
Chloromethane	ND	*2.42*	2.42	ND	*4.99*	4.99	12/18/25	KCA	5	
Cis-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	12/18/25	KCA	5	
cis-1,3-Dichloropropene	ND	*1.10*	1.10	ND	*4.99*	4.99	12/18/25	KCA	5	
Cyclohexane	ND	*1.45*	1.45	ND	*4.99*	4.99	12/18/25	KCA	5	
Dibromochloromethane	ND	*0.587*	0.587	ND	*5.00*	5.00	12/18/25	KCA	5	
Dichlorodifluoromethane	ND	*1.01*	1.01	ND	*4.99*	4.99	12/18/25	KCA	5	
Ethanol	74.0	*2.66*	2.66	139	*5.01*	5.01	12/18/25	KCA	5	1
Ethyl acetate	2.61	*1.39*	1.39	9.40	*5.01*	5.01	12/18/25	KCA	5	1
Ethylbenzene	ND	*1.15*	1.15	ND	*4.99*	4.99	12/18/25	KCA	5	
Heptane	ND	*1.22*	1.22	ND	*5.00*	5.00	12/18/25	KCA	5	
Hexachlorobutadiene	ND	*0.469*	0.469	ND	*5.00*	5.00	12/18/25	KCA	5	
Hexane	ND	*1.42*	1.42	ND	*5.00*	5.00	12/18/25	KCA	5	
Isooctane	ND	*1.07*	1.07	ND	*4.99*	4.99	12/18/25	KCA	5	
Isopropylalcohol	49.9	*2.04*	2.04	123	*5.01*	5.01	12/18/25	KCA	5	
Isopropylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	12/18/25	KCA	5	
m,p-Xylene	1.98	*1.15*	1.15	8.59	*4.99*	4.99	12/18/25	KCA	5	
Methyl Ethyl Ketone	ND	*1.70*	1.70	ND	*5.01*	5.01	12/18/25	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	*1.39*	1.39	ND	*5.01*	5.01	12/18/25	KCA	5	
Methylene Chloride	ND	*4.32*	4.32	ND	*15.0*	15.0	12/18/25	KCA	5	
Naphthalene	ND	*1.00*	1.00	ND	*5.23*	5.23	12/18/25	KCA	5	
n-Butylbenzene	ND	*0.911*	0.911	ND	*5.00*	5.00	12/18/25	KCA	5	1
o-Xylene	ND	*1.15*	1.15	ND	*4.99*	4.99	12/18/25	KCA	5	
Propylene	ND	*2.91*	2.91	ND	*5.01*	5.01	12/18/25	KCA	5	1
sec-Butylbenzene	ND	*0.911*	0.911	ND	*5.00*	5.00	12/18/25	KCA	5	1
Styrene	ND	*1.17*	1.17	ND	*4.98*	4.98	12/18/25	KCA	5	
Tetrachloroethene	0.280	*0.184*	0.184	1.90	*1.25*	1.25	12/18/25	KCA	5	
Tetrahydrofuran	ND	*1.70*	1.70	ND	*5.01*	5.01	12/18/25	KCA	5	1
Toluene	ND	*1.33*	1.33	ND	*5.01*	5.01	12/18/25	KCA	5	
Trans-1,2-Dichloroethene	ND	*1.26*	1.26	ND	*4.99*	4.99	12/18/25	KCA	5	
trans-1,3-Dichloropropene	ND	*1.10*	1.10	ND	*4.99*	4.99	12/18/25	KCA	5	
Trichloroethene	ND	*0.185*	0.185	ND	*0.99*	0.99	12/18/25	KCA	5	
Trichlorofluoromethane	ND	*0.891*	0.891	ND	*5.00*	5.00	12/18/25	KCA	5	
Trichlorotrifluoroethane	ND	*0.653*	0.653	ND	*5.00*	5.00	12/18/25	KCA	5	
Vinyl Chloride	ND	*0.390*	0.390	ND	*1.00*	1.00	12/18/25	KCA	5	
QA/QC Surrogates/Internals										
% Bromofluorobenzene (5x)	104	*%*	%	104	*%*	%	12/18/25	KCA	5	
% IS-1,4-Difluorobenzene (5x)	85	*%*	%	85	*%*	%	12/18/25	KCA	5	
% IS-Bromochloromethane (5x)	89	*%*	%	89	*%*	%	12/18/25	KCA	5	
% IS-Chlorobenzene-d5 (5x)	84	*%*	%	84	*%*	%	12/18/25	KCA	5	

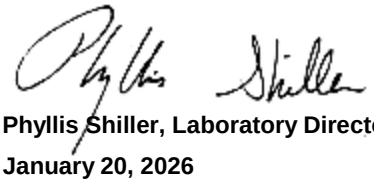
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
January 20, 2026
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

Analysis Report

January 20, 2026

FOR: Attn: Luis Maldonado
Impact Closures
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AD	12/16/25	15:12
Location Code:	IMPACT-ICL	Received by:	B	12/17/25	17:43
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:	17518				
Canister Id:	23336				

Laboratory Data

SDG ID: GCU98124
Phoenix ID: CU98125

Project ID: 5801 AMBOY ROAD
Client ID: SS-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.729*	0.729	ND	*5.00*	5.00	12/18/25	KCA	5	1
1,1,1-Trichloroethane	ND	*0.917*	0.917	ND	*5.00*	5.00	12/18/25	KCA	5	
1,1,2,2-Tetrachloroethane	ND	*0.729*	0.729	ND	*5.00*	5.00	12/18/25	KCA	5	
1,1,2-Trichloroethane	ND	*0.917*	0.917	ND	*5.00*	5.00	12/18/25	KCA	5	
1,1-Dichloroethane	ND	*1.24*	1.24	ND	*5.02*	5.02	12/18/25	KCA	5	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	12/18/25	KCA	5	
1,2,4-Trichlorobenzene	ND	*0.674*	0.674	ND	*5.00*	5.00	12/18/25	KCA	5	
1,2,4-Trimethylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	12/18/25	KCA	5	
1,2-Dibromoethane(EDB)	ND	*0.651*	0.651	ND	*5.00*	5.00	12/18/25	KCA	5	
1,2-Dichlorobenzene	ND	*0.832*	0.832	ND	*5.00*	5.00	12/18/25	KCA	5	
1,2-Dichloroethane	ND	*1.24*	1.24	ND	*5.02*	5.02	12/18/25	KCA	5	
1,2-dichloropropane	ND	*1.08*	1.08	ND	*4.99*	4.99	12/18/25	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	*0.716*	0.716	ND	*5.00*	5.00	12/18/25	KCA	5	
1,3,5-Trimethylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	12/18/25	KCA	5	
1,3-Butadiene	ND	*2.26*	2.26	ND	*5.00*	5.00	12/18/25	KCA	5	
1,3-Dichlorobenzene	ND	*0.832*	0.832	ND	*5.00*	5.00	12/18/25	KCA	5	
1,4-Dichlorobenzene	ND	*0.832*	0.832	ND	*5.00*	5.00	12/18/25	KCA	5	
1,4-Dioxane	ND	*1.39*	1.39	ND	*5.01*	5.01	12/18/25	KCA	5	
2-Hexanone(MBK)	ND	*1.22*	1.22	ND	*4.99*	4.99	12/18/25	KCA	5	1
4-Ethyltoluene	ND	*1.02*	1.02	ND	*5.01*	5.01	12/18/25	KCA	5	1
4-Isopropyltoluene	ND	*0.911*	0.911	ND	*5.00*	5.00	12/18/25	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	*1.22*	1.22	ND	*4.99*	4.99	12/18/25	KCA	5	
Acetone	6.48	*2.11*	2.11	15.4	*5.01*	5.01	12/18/25	KCA	5	
Acrylonitrile	ND	*2.31*	2.31	ND	*5.01*	5.01	12/18/25	KCA	5	
Benzene	ND	*1.57*	1.57	ND	*5.01*	5.01	12/18/25	KCA	5	
Benzyl chloride	ND	*0.966*	0.966	ND	*5.00*	5.00	12/18/25	KCA	5	

Project ID: 5801 AMBOY ROAD
Client ID: SS-1

Phoenix I.D.: CU98125

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.747*	0.747	ND	*5.00*	5.00	12/18/25	KCA	5	
Bromoform	ND	*0.484*	0.484	ND	*5.00*	5.00	12/18/25	KCA	5	
Bromomethane	ND	*1.29*	1.29	ND	*5.01*	5.01	12/18/25	KCA	5	
Carbon Disulfide	ND	*1.61*	1.61	ND	*5.01*	5.01	12/18/25	KCA	5	
Carbon Tetrachloride	ND	*0.159*	0.159	ND	*1.00*	1.00	12/18/25	KCA	5	
Chlorobenzene	ND	*1.09*	1.09	ND	*5.01*	5.01	12/18/25	KCA	5	
Chloroethane	ND	*1.90*	1.90	ND	*5.01*	5.01	12/18/25	KCA	5	
Chloroform	1.86	*1.02*	1.02	9.08	*4.98*	4.98	12/18/25	KCA	5	
Chloromethane	ND	*2.42*	2.42	ND	*4.99*	4.99	12/18/25	KCA	5	
Cis-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	12/18/25	KCA	5	
cis-1,3-Dichloropropene	ND	*1.10*	1.10	ND	*4.99*	4.99	12/18/25	KCA	5	
Cyclohexane	ND	*1.45*	1.45	ND	*4.99*	4.99	12/18/25	KCA	5	
Dibromochloromethane	ND	*0.587*	0.587	ND	*5.00*	5.00	12/18/25	KCA	5	
Dichlorodifluoromethane	ND	*1.01*	1.01	ND	*4.99*	4.99	12/18/25	KCA	5	
Ethanol	81.8	*2.66*	2.66	154	*5.01*	5.01	12/18/25	KCA	5	1
Ethyl acetate	2.37	*1.39*	1.39	8.53	*5.01*	5.01	12/18/25	KCA	5	1
Ethylbenzene	ND	*1.15*	1.15	ND	*4.99*	4.99	12/18/25	KCA	5	
Heptane	ND	*1.22*	1.22	ND	*5.00*	5.00	12/18/25	KCA	5	
Hexachlorobutadiene	ND	*0.469*	0.469	ND	*5.00*	5.00	12/18/25	KCA	5	
Hexane	ND	*1.42*	1.42	ND	*5.00*	5.00	12/18/25	KCA	5	
Isooctane	ND	*1.07*	1.07	ND	*4.99*	4.99	12/18/25	KCA	5	
Isopropylalcohol	57.2	*2.04*	2.04	141	*5.01*	5.01	12/18/25	KCA	5	
Isopropylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	12/18/25	KCA	5	
m,p-Xylene	2.39	*1.15*	1.15	10.4	*4.99*	4.99	12/18/25	KCA	5	
Methyl Ethyl Ketone	ND	*1.70*	1.70	ND	*5.01*	5.01	12/18/25	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	*1.39*	1.39	ND	*5.01*	5.01	12/18/25	KCA	5	
Methylene Chloride	ND	*4.32*	4.32	ND	*15.0*	15.0	12/18/25	KCA	5	
Naphthalene	ND	*1.00*	1.00	ND	*5.23*	5.23	12/18/25	KCA	5	
n-Butylbenzene	ND	*0.911*	0.911	ND	*5.00*	5.00	12/18/25	KCA	5	1
o-Xylene	ND	*1.15*	1.15	ND	*4.99*	4.99	12/18/25	KCA	5	
Propylene	ND	*2.91*	2.91	ND	*5.01*	5.01	12/18/25	KCA	5	1
sec-Butylbenzene	ND	*0.911*	0.911	ND	*5.00*	5.00	12/18/25	KCA	5	1
Styrene	ND	*1.17*	1.17	ND	*4.98*	4.98	12/18/25	KCA	5	
Tetrachloroethene	7.89	*0.184*	0.184	53.5	*1.25*	1.25	12/18/25	KCA	5	
Tetrahydrofuran	ND	*1.70*	1.70	ND	*5.01*	5.01	12/18/25	KCA	5	1
Toluene	ND	*1.33*	1.33	ND	*5.01*	5.01	12/18/25	KCA	5	
Trans-1,2-Dichloroethene	ND	*1.26*	1.26	ND	*4.99*	4.99	12/18/25	KCA	5	
trans-1,3-Dichloropropene	ND	*1.10*	1.10	ND	*4.99*	4.99	12/18/25	KCA	5	
Trichloroethene	ND	*0.185*	0.185	ND	*0.99*	0.99	12/18/25	KCA	5	
Trichlorofluoromethane	ND	*0.891*	0.891	ND	*5.00*	5.00	12/18/25	KCA	5	
Trichlorotrifluoroethane	ND	*0.653*	0.653	ND	*5.00*	5.00	12/18/25	KCA	5	
Vinyl Chloride	ND	*0.390*	0.390	ND	*1.00*	1.00	12/18/25	KCA	5	
QA/QC Surrogates/Internals										
% Bromofluorobenzene (5x)	102	*%*	%	102	*%*	%	12/18/25	KCA	5	
% IS-1,4-Difluorobenzene (5x)	87	*%*	%	87	*%*	%	12/18/25	KCA	5	
% IS-Bromochloromethane (5x)	91	*%*	%	91	*%*	%	12/18/25	KCA	5	
% IS-Chlorobenzene-d5 (5x)	89	*%*	%	89	*%*	%	12/18/25	KCA	5	

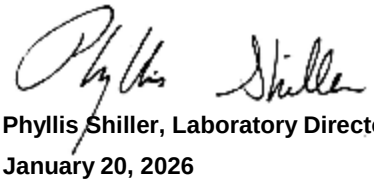
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director
January 20, 2026
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

Analysis Report

January 20, 2026

FOR: Attn: Luis Maldonado
Impact Closures
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AD	12/16/25	15:01
Location Code:	IMPACT-ICL	Received by:	B	12/17/25	17:43
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:	17518				
Canister Id:	53474				

Laboratory Data

SDG ID: GCU98124
Phoenix ID: CU98126

Project ID: 5801 AMBOY ROAD
Client ID: SS-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.729*	0.729	ND	*5.00*	5.00	12/18/25	KCA	5	1
1,1,1-Trichloroethane	ND	*0.917*	0.917	ND	*5.00*	5.00	12/18/25	KCA	5	
1,1,2,2-Tetrachloroethane	ND	*0.729*	0.729	ND	*5.00*	5.00	12/18/25	KCA	5	
1,1,2-Trichloroethane	ND	*0.917*	0.917	ND	*5.00*	5.00	12/18/25	KCA	5	
1,1-Dichloroethane	ND	*1.24*	1.24	ND	*5.02*	5.02	12/18/25	KCA	5	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	12/18/25	KCA	5	
1,2,4-Trichlorobenzene	ND	*0.674*	0.674	ND	*5.00*	5.00	12/18/25	KCA	5	
1,2,4-Trimethylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	12/18/25	KCA	5	
1,2-Dibromoethane(EDB)	ND	*0.651*	0.651	ND	*5.00*	5.00	12/18/25	KCA	5	
1,2-Dichlorobenzene	ND	*0.832*	0.832	ND	*5.00*	5.00	12/18/25	KCA	5	
1,2-Dichloroethane	ND	*1.24*	1.24	ND	*5.02*	5.02	12/18/25	KCA	5	
1,2-dichloropropane	ND	*1.08*	1.08	ND	*4.99*	4.99	12/18/25	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	*0.716*	0.716	ND	*5.00*	5.00	12/18/25	KCA	5	
1,3,5-Trimethylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	12/18/25	KCA	5	
1,3-Butadiene	ND	*2.26*	2.26	ND	*5.00*	5.00	12/18/25	KCA	5	
1,3-Dichlorobenzene	ND	*0.832*	0.832	ND	*5.00*	5.00	12/18/25	KCA	5	
1,4-Dichlorobenzene	ND	*0.832*	0.832	ND	*5.00*	5.00	12/18/25	KCA	5	
1,4-Dioxane	ND	*1.39*	1.39	ND	*5.01*	5.01	12/18/25	KCA	5	
2-Hexanone(MBK)	ND	*1.22*	1.22	ND	*4.99*	4.99	12/18/25	KCA	5	1
4-Ethyltoluene	ND	*1.02*	1.02	ND	*5.01*	5.01	12/18/25	KCA	5	1
4-Isopropyltoluene	ND	*0.911*	0.911	ND	*5.00*	5.00	12/18/25	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	*1.22*	1.22	ND	*4.99*	4.99	12/18/25	KCA	5	
Acetone	10.0	*2.11*	2.11	23.7	*5.01*	5.01	12/18/25	KCA	5	
Acrylonitrile	ND	*2.31*	2.31	ND	*5.01*	5.01	12/18/25	KCA	5	
Benzene	ND	*1.57*	1.57	ND	*5.01*	5.01	12/18/25	KCA	5	
Benzyl chloride	ND	*0.966*	0.966	ND	*5.00*	5.00	12/18/25	KCA	5	

Project ID: 5801 AMBOY ROAD
Client ID: SS-2

Phoenix I.D.: CU98126

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.747*	0.747	ND	*5.00*	5.00	12/18/25	KCA	5	
Bromoform	ND	*0.484*	0.484	ND	*5.00*	5.00	12/18/25	KCA	5	
Bromomethane	ND	*1.29*	1.29	ND	*5.01*	5.01	12/18/25	KCA	5	
Carbon Disulfide	ND	*1.61*	1.61	ND	*5.01*	5.01	12/18/25	KCA	5	
Carbon Tetrachloride	ND	*0.159*	0.159	ND	*1.00*	1.00	12/18/25	KCA	5	
Chlorobenzene	ND	*1.09*	1.09	ND	*5.01*	5.01	12/18/25	KCA	5	
Chloroethane	ND	*1.90*	1.90	ND	*5.01*	5.01	12/18/25	KCA	5	
Chloroform	ND	*1.02*	1.02	ND	*4.98*	4.98	12/18/25	KCA	5	
Chloromethane	ND	*2.42*	2.42	ND	*4.99*	4.99	12/18/25	KCA	5	
Cis-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	12/18/25	KCA	5	
cis-1,3-Dichloropropene	ND	*1.10*	1.10	ND	*4.99*	4.99	12/18/25	KCA	5	
Cyclohexane	ND	*1.45*	1.45	ND	*4.99*	4.99	12/18/25	KCA	5	
Dibromochloromethane	ND	*0.587*	0.587	ND	*5.00*	5.00	12/18/25	KCA	5	
Dichlorodifluoromethane	ND	*1.01*	1.01	ND	*4.99*	4.99	12/18/25	KCA	5	
Ethanol	154	*2.66*	2.66	290	*5.01*	5.01	12/18/25	KCA	5	1
Ethyl acetate	2.51	*1.39*	1.39	9.04	*5.01*	5.01	12/18/25	KCA	5	1
Ethylbenzene	ND	*1.15*	1.15	ND	*4.99*	4.99	12/18/25	KCA	5	
Heptane	ND	*1.22*	1.22	ND	*5.00*	5.00	12/18/25	KCA	5	
Hexachlorobutadiene	ND	*0.469*	0.469	ND	*5.00*	5.00	12/18/25	KCA	5	
Hexane	ND	*1.42*	1.42	ND	*5.00*	5.00	12/18/25	KCA	5	
Isooctane	ND	*1.07*	1.07	ND	*4.99*	4.99	12/18/25	KCA	5	
Isopropylalcohol	106	*2.04*	2.04	260	*5.01*	5.01	12/18/25	KCA	5	
Isopropylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	12/18/25	KCA	5	
m,p-Xylene	1.86	*1.15*	1.15	8.07	*4.99*	4.99	12/18/25	KCA	5	
Methyl Ethyl Ketone	ND	*1.70*	1.70	ND	*5.01*	5.01	12/18/25	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	*1.39*	1.39	ND	*5.01*	5.01	12/18/25	KCA	5	
Methylene Chloride	ND	*4.32*	4.32	ND	*15.0*	15.0	12/18/25	KCA	5	
Naphthalene	ND	*1.00*	1.00	ND	*5.23*	5.23	12/18/25	KCA	5	
n-Butylbenzene	ND	*0.911*	0.911	ND	*5.00*	5.00	12/18/25	KCA	5	1
o-Xylene	ND	*1.15*	1.15	ND	*4.99*	4.99	12/18/25	KCA	5	
Propylene	ND	*2.91*	2.91	ND	*5.01*	5.01	12/18/25	KCA	5	1
sec-Butylbenzene	ND	*0.911*	0.911	ND	*5.00*	5.00	12/18/25	KCA	5	1
Styrene	ND	*1.17*	1.17	ND	*4.98*	4.98	12/18/25	KCA	5	
Tetrachloroethene	0.275	*0.184*	0.184	1.86	*1.25*	1.25	12/18/25	KCA	5	
Tetrahydrofuran	2.24	*1.70*	1.70	6.60	*5.01*	5.01	12/18/25	KCA	5	1
Toluene	ND	*1.33*	1.33	ND	*5.01*	5.01	12/18/25	KCA	5	
Trans-1,2-Dichloroethene	ND	*1.26*	1.26	ND	*4.99*	4.99	12/18/25	KCA	5	
trans-1,3-Dichloropropene	ND	*1.10*	1.10	ND	*4.99*	4.99	12/18/25	KCA	5	
Trichloroethene	ND	*0.185*	0.185	ND	*0.99*	0.99	12/18/25	KCA	5	
Trichlorofluoromethane	ND	*0.891*	0.891	ND	*5.00*	5.00	12/18/25	KCA	5	
Trichlorotrifluoroethane	ND	*0.653*	0.653	ND	*5.00*	5.00	12/18/25	KCA	5	
Vinyl Chloride	ND	*0.390*	0.390	ND	*1.00*	1.00	12/18/25	KCA	5	
QA/QC Surrogates/Internals										
% Bromofluorobenzene (5x)	104	*%*	%	104	*%*	%	12/18/25	KCA	5	
% IS-1,4-Difluorobenzene (5x)	90	*%*	%	90	*%*	%	12/18/25	KCA	5	
% IS-Bromochloromethane (5x)	94	*%*	%	94	*%*	%	12/18/25	KCA	5	
% IS-Chlorobenzene-d5 (5x)	89	*%*	%	89	*%*	%	12/18/25	KCA	5	

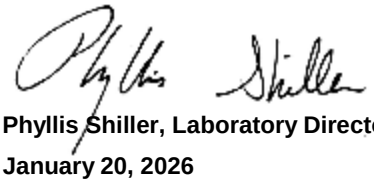
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
January 20, 2026
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Canister Sampling Information

January 20, 2026

FOR: Attn: Luis Maldonado
Impact Closures
170 Keyland Court
Bohemia NY 11716

Location Code: IMPACT-ICL

SDG I.D.: GCU98124

Project ID: 5801 AMBOY ROAD

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
SS-3	CU98124	7635	6.0L	10554	12/10/25	-30	-6	11	11.1	0.9	-30	-6	12/16/25 06:50	12/16/25 14:44
SS-1	CU98125	23336	6.0L	7047	12/10/25	-30	-4	11.4	11.4	0.0	-32	-5	12/16/25 07:19	12/16/25 15:12
SS-2	CU98126	53474	6.0L	1315	12/10/25	-30	-6	11.1	11.7	5.3	-30	-7	12/16/25 07:05	12/16/25 15:01

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

QA/QC Report

January 20, 2026

QA/QC Data

SDG I.D.: GCU98124

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 819453 (ppbv), QC Sample No: CU98036 (CU98124 (5X) , CU98125 (5X) , CU98126 (5X))													
Volatiles													
1,1,1,2-Tetrachloroethane	ND	0.250	ND	1.72	105	ND	ND	ND	ND	NC	70 - 130	25	
1,1,1-Trichloroethane	ND	0.250	ND	1.36	104	ND	ND	ND	ND	NC	70 - 130	25	
1,1,2,2-Tetrachloroethane	ND	0.005	ND	0.03	115	ND	ND	ND	ND	NC	70 - 130	25	
1,1,2-Trichloroethane	ND	0.010	ND	0.05	111	ND	ND	ND	ND	NC	70 - 130	25	
1,1-Dichloroethane	ND	0.075	ND	0.30	100	ND	ND	ND	ND	NC	70 - 130	25	
1,1-Dichloroethene	ND	0.100	ND	0.40	103	ND	ND	ND	ND	NC	70 - 130	25	
1,2,4-Trichlorobenzene	ND	0.027	ND	0.20	109	ND	ND	ND	ND	NC	70 - 130	25	
1,2,4-Trimethylbenzene	ND	0.250	ND	1.23	123	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dibromoethane(EDB)	ND	0.005	ND	0.04	111	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichlorobenzene	ND	0.050	ND	0.30	122	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichloroethane	ND	0.010	ND	0.04	105	ND	ND	ND	ND	NC	70 - 130	25	
1,2-dichloropropane	ND	0.010	ND	0.05	105	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichlorotetrafluoroethane	ND	0.250	ND	1.75	102	ND	ND	ND	ND	NC	70 - 130	25	
1,3,5-Trimethylbenzene	ND	0.250	ND	1.23	124	ND	ND	ND	ND	NC	70 - 130	25	
1,3-Butadiene	ND	0.250	ND	0.55	97	ND	ND	ND	ND	NC	70 - 130	25	
1,3-Dichlorobenzene	ND	0.050	ND	0.30	128	ND	ND	ND	ND	NC	70 - 130	25	
1,4-Dichlorobenzene	ND	0.040	ND	0.24	128	ND	ND	ND	ND	NC	70 - 130	25	
1,4-Dioxane	ND	0.065	ND	0.23	113	ND	ND	ND	ND	NC	70 - 130	25	
2,2,4-Trimethylpentane	ND	0.100	ND	0.47	106	0.67	0.70	0.144	0.151	NC	70 - 130	25	
2-Hexanone(MBK)	ND	0.250	ND	1.02	103	ND	ND	ND	ND	NC	70 - 130	25	
4-Ethyltoluene	ND	0.250	ND	1.23	122	ND	ND	ND	ND	NC	70 - 130	25	
4-Isopropyltoluene	ND	0.250	ND	1.37	118	ND	ND	ND	ND	NC	70 - 130	25	
4-Methyl-2-pentanone(MIBK)	ND	0.250	ND	1.02	108	ND	ND	ND	ND	NC	70 - 130	25	
Acetone	ND	0.375	ND	0.89	98	14.3	14.9	6.02	6.28	4.2	70 - 130	25	
Acrylonitrile	ND	0.250	ND	0.54	133	ND	ND	ND	ND	NC	70 - 130	25	I
Benzene	ND	0.100	ND	0.32	105	0.92	0.96	0.287	0.301	NC	70 - 130	25	
Benzyl chloride	ND	0.250	ND	1.29	151	ND	ND	ND	ND	NC	70 - 130	25	I
Bromodichloromethane	ND	0.010	ND	0.07	105	ND	ND	ND	ND	NC	70 - 130	25	
Bromoform	ND	0.075	ND	0.77	117	ND	ND	ND	ND	NC	70 - 130	25	
Bromomethane	ND	0.070	ND	0.27	99	ND	ND	ND	ND	NC	70 - 130	25	
Carbon Disulfide	ND	0.250	ND	0.78	104	ND	ND	ND	ND	NC	70 - 130	25	
Carbon Tetrachloride	ND	0.043	ND	0.27	105	0.47	0.51	0.075	0.081	NC	70 - 130	25	
Chlorobenzene	ND	0.100	ND	0.46	111	ND	ND	ND	ND	NC	70 - 130	25	
Chloroethane	ND	0.250	ND	0.66	95	ND	ND	ND	ND	NC	70 - 130	25	
Chloroform	ND	0.100	ND	0.49	100	ND	ND	ND	ND	NC	70 - 130	25	
Chloromethane	ND	0.250	ND	0.52	99	1.09	1.13	0.529	0.547	NC	70 - 130	25	
Cis-1,2-Dichloroethene	ND	0.100	ND	0.40	102	ND	ND	ND	ND	NC	70 - 130	25	
cis-1,3-Dichloropropene	ND	0.050	ND	0.23	106	ND	ND	ND	ND	NC	70 - 130	25	
Cyclohexane	ND	0.250	ND	0.86	100	ND	ND	ND	ND	NC	70 - 130	25	
Dibromochloromethane	ND	0.010	ND	0.09	110	ND	ND	ND	ND	NC	70 - 130	25	
Dichlorodifluoromethane	ND	0.250	ND	1.24	108	2.36	2.45	0.477	0.495	NC	70 - 130	25	

QA/QC Data

SDG I.D.: GCU98124

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	0.375	ND	0.71	93	63.6 E	64.6	33.8 E	34.3	1.5	70 - 130	25
Ethyl acetate	ND	0.250	ND	0.90	112	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.250	ND	1.08	118	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.250	ND	1.02	107	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.005	ND	0.05	116	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.225	ND	0.79	106	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.375	ND	0.92	104	302 E	312	123 E	127	3.2	70 - 130	25
Isopropylbenzene	ND	0.250	ND	1.23	114	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.500	ND	2.17	124	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.225	ND	0.66	103	2.43	2.49	0.824	0.846	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.250	ND	0.90	108	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	1.50	ND	5.21	96	ND	ND	ND	ND	NC	70 - 130	25
Naphthalene	ND	2.50	ND	13.1	105	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.250	ND	1.37	124	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.250	ND	1.08	118	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.250	ND	0.43	99	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.250	ND	1.37	119	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.100	ND	0.43	123	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.050	ND	0.34	111	0.45	0.48	0.067	0.071	NC	70 - 130	25
Tetrahydrofuran	ND	0.250	ND	0.74	101	2.51	2.56	0.851	0.867	NC	70 - 130	25
Toluene	ND	0.250	ND	0.94	113	4.37	4.52	1.16	1.20	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.100	ND	0.40	107	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.250	ND	1.13	110	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.025	ND	0.13	108	0.26	0.27	0.048	0.051	NC	70 - 130	25
Trichlorofluoromethane	ND	0.250	ND	1.40	102	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.250	ND	1.91	103	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.050	ND	0.13	96	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	91	%	91	%	102	103	103	103	103	NC	70 - 130	25
% IS-1,4-Difluorobenzene	99	%	99	%	99	90	84	90	84	NC	60 - 140	25
% IS-Bromochloromethane	101	%	101	%	101	94	89	94	89	NC	60 - 140	25
% IS-Chlorobenzene-d5	97	%	97	%	104	90	86	90	86	NC	60 - 140	25

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference
(ISO) - Isotope Dilution

Phyllis Shiller, Laboratory Director
January 20, 2026

Sample Criteria Exceedances Report

GCU98124 - IMPACT-ICL

Criteria: NY: AIRSV

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

CHAIN OF CUSTODY RECORD

AIR ANALYSES

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823
IMPACT-NJ

860-645-1102
email: greg@phoenixlabs.com

P.O. # 17518 Page 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: lmaldonado@impactenvironmental.com
☐ Phone #:

Report to:	Luis Maldonado	Project Name: 5801 Amboy Road	Data Format: (Circle) Equis Excel Other:
Customer:	Impact Environmental	Invoice to: Christine Bell	Requested Deliverable: RCP ASP CAT B
Address:	1099 Wall Street		MCP NJ Deliverables
18385	Lyndhurst, NJ 07071	Sampled by: Angela DeVivo	Quote Number:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15 + VOCs	APH	
	THIS SECTION FOR LAB USE ONLY												MATRIX			ANALYSES		
98124	SS-3	7635	6.0L	-30	-6	10554	11	6:50	14:44	12/16/25	30	6		X		X		
98125	SS-1	23336	6.0L	-30	-4	7047	11.4	7:19	15:12	12/16/25	32	5		X		X		
98126	SS-2	53474	6.0L	-30	-6	1315	11.1	7:05	15:01	12/16/25	30	7		X		X		

Relinquished by:	Accepted by:	Date:	Time:
Angela DeVivo / Impact		12/17	9:40
		12/17/25	17:43

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document.

Signature: _____ Date: _____

State Where Samples Collected: NY

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

(3) - 6.0L 8 hr, 9ft Tubing, 3 Connectors

Turnaround Time:
1 Day* ☐
2 Day* ☐
3 Day* ☐
4 Day* ☐
5 Day* ☐
Standard ☒
*SURCHARGES MAY APPLY

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C TAC RES SVVC I/C SVVC RES GWV I/C GWV CES	Indoor Air: Residential Ind/Commercial Soil Gas: Residential Ind/Commercial	Indoor Air: Residential Ind/Commercial Soil Gas: Residential Ind/Commercial	Vapor Intrusion	Indoor Air Residential Non-residential	Indoor Air Residential Industrial Sub-slab Residential Industrial

GCU98124

Tara Banning

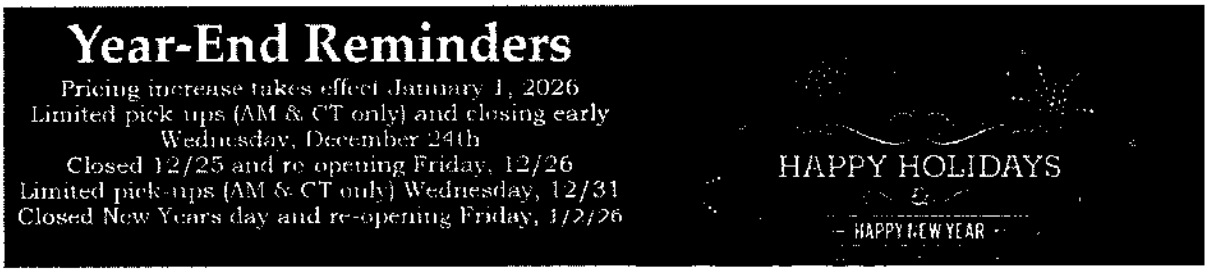
From: Michael Lapman
Sent: Wednesday, December 17, 2025 1:05 PM
To: Tara Banning
Subject: FW: Impact
Attachments: 20251217130304.pdf

Impact—ICL.

Thank you.

Regards,
Michael Lapman
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
Direct Line: 917.449.0850
www.phoenixlabs.com

PHOENIX
Environmental Laboratories, Inc.



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From: Tara Banning <tara@phoenixlabs.com>
Date: Wednesday, December 17, 2025 at 1:03 PM
To: Michael Lapman <michael@phoenixlabs.com>
Subject: Impact

Tara Banning
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike | Manchester, CT 06040
860-645-1102

Sarah Bell

From: Michael Lapman
Sent: Friday, January 02, 2026 11:31 AM
To: Sarah Bell
Subject: FW: Regarding GCU91820 and GCU98124 5801 Amboy Rd
Attachments: Indoor Air COC.pdf; Sub-Slab COC.pdf

Sarah:

Please see the below, can you add?

Thanks!

Regards,
Michael Lapman
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
Direct Line: 917.449.0850
www.phoenixlabs.com



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From: Luis Maldonado <lmaldonado@impactenvironmental.com>
Date: Friday, January 2, 2026 at 11:29 AM
To: Michael Lapman <michael@phoenixlabs.com>
Subject: Regarding GCU91820 and GCU98124 5801 Amboy Rd

Good morning, Michael,

I hope you had a wonderful holiday. I am reaching out because I was just checking lab results for the referenced lab IDs and I noticed that we forgot to circle “ASP Cat B” in the Requested Deliverables section, therefore, I was wondering if you could please update the reports for us because these data need to be validated by a third party lab.
Please let me know if you have any questions.

Thank you.

Luis Maldonado

LUIS MALDONADO | Associate Project Manager
O: 201-268-5686 C: 862-823-4620
1099 Wall Street West, Suite 250B, Lyndhurst, NJ 07071
Our email policies

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Impact Closures

5801 AMBOY ROAD

Laboratory Project: GCU98124

Volatile TO15
Ver 1

Organic Data Flags

LOD(MDL): Limit of Detection or Method Detection Limit
The minimum reportable concentration that can be measured with confidence.

PQL(RL): Practical Quantitation Level or Reporting Level
This value is at or above the MDL and is supported by the lowest calibration standard.

· · Q Qualifiers:

U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the “U” represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.

J - Indicates an estimated value, may indicate one of the following, depending on the situation:
a) The reported value is estimated and below the RL.
Compounds that are detected above MDL but below RL are qualified with a J flag.
b) Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.
c) QC associated with this analyte is within warning limits.

X - The concentration is not reported. This quantitation file was not evaluated for this compound at this dilution; a volatile purging or related issue may be the cause.

L - Biased Low

N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified.

S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

B - This compound was also present in the method blank

D - The reported concentration is the result of a diluted analysis. Samples that require dilution may result in elevated reporting limits that exceed requested criteria for one or more analytes.

E - The reported value is estimated because the concentration exceeded the calibration range.

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

P- Percent difference is greater than 25% between the two GC columns and the lower result is reported.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG: GCU98124

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: 5801 AMBOY ROAD, Impact Closures

Form 1 (Analysis):

No observations noted.

Detailed reference spectra will print 'Below Cal' for the full scan compounds that are reported from the SIM and are below the lowest calibration point in the full scan analysis. If analytes required manual integration. Manual integrations are flagged with an 'm' to indicate the analyte that required this process.

Form 2 (Surrogates):

All surrogates met criteria with the following exceptions: None.

Form 3 (Laboratory Control/Matrix Spike):

Sample: CU98036 LCS
All LCS recoveries met criteria with the following exceptions: Acrylonitrile 133%, Benzyl chloride 151%

Form 4 (Method Blank):

File: CHEM24 1217_05.D
All compounds were non-detect with the following exceptions: None.

Form 5 (Tune):

File: CHEM24 1116_03.D
All Tune criteria was met with the following exceptions: None.

File: CHEM24 1217_02.D
All Tune criteria was met with the following exceptions: None.

Form 6 (Initial Calibration):

Calibration: CHEM24 11/16/25 - 11/16/25
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.
All ICV recoveries met criteria (70-130) with the following exceptions: Benzyl chloride 143%,

Form 7 (Continuing Calibration):

File: CHEM24 1217_02.D (Opening)
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: 2-Hexanone(MBK) 26.0% (20), 1,2,4-Trichlorobenzene 57.0% (20), Naphthalene 54.0% (20), Benzyl chloride(sim) 22.0% (20), 1,2,4-Trichlorobenzene(sim) 37.0% (20)

File: CHEM24 1217_25.D (Closing)
The following compounds did not meet maximum % deviations: 2-Hexanone(MBK) 29.0% (20), Benzyl chloride 30.7% (30), 1,2,4-Trichlorobenzene 62.0% (20), Naphthalene 62.0% (20), Benzyl chloride(sim) 27.0% (20), 1,2,4-Trichlorobenzene(sim) 41.0% (20)

Form 8 (Internal Standard and Retention Time):

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG: GCU98124

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: 5801 AMBOY ROAD, Impact Closures

File: CHEM24 - 24_AIR_1116.M / 1217_02.D Full
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM24 - 24_AIR_1116.M / 1217_02.D Sim
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM24 - 24_AIR_1116.M / Average Full
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM24 - 24_AIR_1116.M / Average Sim
All samples met internal standard area and retention time critieria with the following exceptions: None.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.
Compounds that are detected above MDL but below RL are qualified with a J flag.



01/12/26

Alejandro Paredes
Project Manager

2C
AIR SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SDG: GCU98124

QC Batch Id: 819453 QC Sample Id: CU98036

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CU98036 LCS	CU98036 LCS	102				0
02	CU98036 BLANK	CU98036 BLANK	91				0
03	CU98036 QC 0.5 X	CU98036 QC 0.5 X	103				0
04	CU98036 QC 0.5 X	CU98036 DUP 0.5 X	103				0
05	SS-3 5X	CU98124 5X	104				0
06	SS-1 5X	CU98125 5X	102				0
07	SS-2 5X	CU98126 5X	104				0
08							
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29							
30							

			QC LIMITS
SMC1	BFB	Bromofluorobenzene	(70-130)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II AIR

AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No: SAS No: SDG No GCU98124

LCS - Client Id: CU98036 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		9.866	99	70	130
Dichlorodifluoromethane	10		10.78	108	70	130
Chloromethane	10		9.856	99	70	130
1,2-Dichlorotetrafluoroethane	10		10.25	103	70	130
Vinyl Chloride	10		9.649	96	70	130
1,3-Butadiene	10		9.656	97	70	130
Bromomethane	10		9.891	99	70	130
Chloroethane	10		9.492	95	70	130
Ethanol	10		9.289	93	70	130
Acetone	10		9.803	98	70	130
Trichlorofluoromethane	10		10.23	102	70	130
Isopropylalcohol	10		10.37	104	70	130
Acrylonitrile	10		13.29	133 *	70	130
1,1-Dichloroethene	10		10.31	103	70	130
Methylene Chloride	10		9.641	96	70	130
Carbon Disulfide	10		10.38	104	70	130
Trichlorotrifluoroethane	10		10.29	103	70	130
Trans-1,2-Dichloroethene	10		10.67	107	70	130
1,1-Dichloroethane	10		9.995	100	70	130
Methyl tert-butyl ether(MTBE)	10		10.79	108	70	130
Methyl Ethyl Ketone	10		10.30	103	70	130
Cis-1,2-Dichloroethene	10		10.23	102	70	130
Hexane	10		10.55	106	70	130
Chloroform	10		10.05	101	70	130
Ethyl acetate	10		11.24	112	70	130
Tetrahydrofuran	10		10.13	101	70	130
1,2-Dichloroethane	10		10.53	105	70	130
1,1,1-Trichloroethane	10		10.43	104	70	130
Benzene	10		10.46	105	70	130
Carbon Tetrachloride	10		10.50	105	70	130
Cyclohexane	10		9.953	100	70	130
1,2-dichloropropane	10		10.55	106	70	130
Bromodichloromethane	10		10.54	105	70	130
Trichloroethene	10		10.77	108	70	130
2,2,4-trimethylpentane	10		10.62	106	70	130
1,4-Dioxane	10		11.35	114	70	130
Heptane	10		10.70	107	70	130
cis-1,3-Dichloropropene	10		10.64	106	70	130
4-Methyl-2-pentanone(MIBK)	10		10.83	108	70	130
trans-1,3-Dichloropropene	10		11.00	110	70	130
1,1,2-Trichloroethane	10		11.09	111	70	130
Toluene	10		11.34	113	70	130
Dibromochloromethane	10		11.01	110	70	130
2-Hexanone(MBK)	10		10.28	103	70	130

FORM III AIR

AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No: SAS No: SDG No GCU98124

LCS - Client Id: CU98036 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
1,2-Dibromoethane(EDB)	10		11.14	111	70	130
Tetrachloroethene	10		11.10	111	70	130
1,1,1,2-Tetrachloroethane	10		10.46	105	70	130
Chlorobenzene	10		11.07	111	70	130
Ethylbenzene	10		11.84	118	70	130
m,p-Xylene	20		24.81	124	70	130
Bromoform	10		11.74	117	70	130
Styrene	10		12.31	123	70	130
1,1,2,2-Tetrachloroethane	10		11.47	115	70	130
o-Xylene	10		11.79	118	70	130
Isopropylbenzene	10		11.45	115	70	130
4-Ethyltoluene	10		12.24	122	70	130
1,3,5-Trimethylbenzene	10		12.35	124	70	130
1,2,4-Trimethylbenzene	10		12.34	123	70	130
Benzyl chloride	10		15.08	151 *	70	130
1,3-Dichlorobenzene	10		12.80	128	70	130
1,4-Dichlorobenzene	10		12.84	128	70	130
sec-Butylbenzene	10		11.92	119	70	130
4-Isopropyltoluene	10		11.84	118	70	130
1,2-Dichlorobenzene	10		12.23	122	70	130
n-Butylbenzene	10		12.43	124	70	130
1,2,4-Trichlorobenzene	10		10.87	109	70	130
Naphthalene	10		10.46	105	70	130
Hexachlorobutadiene	10		11.65	117	70	130

FORM III AIR

4A

AIR METHOD BLANK SUMMARY

Client ID: CU98036 BLANK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98124

Lab File ID: 1217_05.D Lab Sample ID: CU98036 BLK

Date Analyzed: 12/17/2025 Time Analyzed: 15:44

GC Column: RTX-1 Lab Batch ID: 819453

Instrument ID: CHEM24 Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CU98036 LCS	CU98036 LCS	1217_04.D	15:09
02	CU98036 QC 0.5 X	CU98036 0.5X	1217_13.D	22:44
03	CU98036 QC 0.5 X	CU98036 DUP 0.5X	1217_14.D	23:26
04	SS-3 5X	CU98124 5X	1217_19.D	02:50
05	SS-1 5X	CU98125 5X	1217_20.D	03:26
06	SS-2 5X	CU98126 5X	1217_21.D	04:01
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COMMENTS:

FORM IV AIR

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98124

Lab File ID: 1116_03.D BFB Injection Date: 11/16/25

Instrument ID: CHEM24 BFB Injection Time: 13:53

GC Column: RTX-1 Heated Purge: (Y/N) Y

AutoFind: Scans 1059, 1060, 1061; Background Corrected with Scan 1053

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
50	8.0 - 40.0% of mass 95	14.7			
75	30.0 - 66.0% of mass 95	43.4			
95	Base Peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.4			
173	Less than 2.0% of mass 174	0.7	(	0.7	)1
174	50.0 - 120.0% of mass 95	101.0			
175	4.0 - 9.0% of mass 174	7.1	(	7.1	)1
176	93.0 - 101.0% of mass 174	96.7	(	97.5	)1
177	5.0 - 9.0% of mass 176	6.4	(	6.3	)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	ICAL 0.01	0.01 (40cc -1); TO1515	1116_04.D	11/16/25	14:28	
02	ICAL 0.02	0.02 (80cc -1) ; TO1515	1116_05.D	11/16/25	15:06	
03	ICAL 0.035	0.035 (140cc -1) ; TO1515	1116_06.D	11/16/25	15:45	
04	ICAL 0.05	0.05 ppb ; TO1515	1116_07.D	11/16/25	16:23	
05	ICAL 0.1	0.10 ppb ; TO1515	1116_08.D	11/16/25	16:59	
06	ICAL 0.2	0.20 ppb ; TO1515	1116_09.D	11/16/25	17:35	
07	ICAL 0.5	0.50 ppb ; TO1515	1116_10.D	11/16/25	18:13	
08	ICAL 2.5	2.5 ppb ; TO1515	1116_11.D	11/16/25	18:52	
09	ICAL 5	5.0 ppb ; TO1515	1116_12.D	11/16/25	19:27	
10	ICAL 25	25 ppb ; TO1515	1116_13.D	11/16/25	20:05	
11	ICAL 40	40 ppb ; TO151	1116_14.D	11/16/25	20:44	
12	ICAL 1	1ppb ; TO1509 ; AIR36	1116_15.D	11/16/25	21:21	
13	ICAL 10	10ppb ; TO1509 ; AIR36	1116_16.D	11/16/25	21:58	
14	ICV_CHEM24_1116	10ppb lcs ; TO1515	1116_17.D	11/16/25	22:36	
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(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_03.D
Acq On : 16 Nov 2025 1:53 pm
Operator : Keith
Sample : 0/0 ; ITSD Air37I
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Nov 17 10:09:41 2025

AutoFind: Scans 1059, 1060, 1061; Background Corrected with Scan 1053

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.7	38448	PASS
75	95	30	66	43.4	113248	PASS
95	95	100	100	100.0	260736	PASS
96	95	5	9	6.4	16618	PASS
173	174	0.00	2	0.7	1732	PASS
174	95	50	120	100.8	262720	PASS
175	174	4	9	7.0	18521	PASS
176	174	93	101	96.7	254144	PASS
177	176	5	9	6.4	16339	PASS

24_AIR_1116.M Mon Nov 17 10:10:06 2025

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98124

Lab File ID: 1217_02.D BFB Injection Date: 12/17/25

Instrument ID: CHEM24 BFB Injection Time: 13:55

GC Column: RTX-1 Heated Purge: (Y/N) Y

AutoFind: Scans 1059, 1060, 1061; Background Corrected with Scan 1052

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
50	8.0 - 40.0% of mass 95	14.7			
75	30.0 - 66.0% of mass 95	43.6			
95	Base Peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.4			
173	Less than 2.0% of mass 174	0.8	(	0.7	)1
174	50.0 - 120.0% of mass 95	104.0			
175	4.0 - 9.0% of mass 174	7.0	(	7.2	)1
176	93.0 - 101.0% of mass 174	96.2	(	99.9	)1
177	5.0 - 9.0% of mass 176	6.3	(	6.3	)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 1	1ppb ccal; TO1516P	1217_02.D	12/17/25	13:55	
02	CU98036 LCS	CU98036 LCS	1217_04.D	12/17/25	15:09	
03	CU98036 BLANK	CU98036 BLANK	1217_05.D	12/17/25	15:44	
04	CU98036 QC 0.5 X	CU98036 QC 0.5 X	1217_13.D	12/17/25	22:44	
05	CU98036 QC 0.5 X	CU98036 DUP 0.5 X	1217_14.D	12/17/25	23:26	
06	SS-3 5X	CU98124 5X	1217_19.D	12/18/25	02:50	
07	SS-1 5X	CU98125 5X	1217_20.D	12/18/25	03:26	
08	SS-2 5X	CU98126 5X	1217_21.D	12/18/25	04:01	
09	CCCAL 1	1ppb ccal; TO1516P	1217_25.D	12/18/25	09:40	
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(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_02.D
Acq On : 17 Dec 2025 1:55 pm
Operator : Keith
Sample : 1ppb ccal; TO1516P
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Nov 17 10:17:34 2025

AutoFind: Scans 1059, 1060, 1061; Background Corrected with Scan 1052

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.7	29832	PASS
75	95	30	66	43.6	88456	PASS
95	95	100	100	100.0	203035	PASS
96	95	5	9	6.4	12974	PASS
173	174	0.00	2	0.7	1528	PASS
174	95	50	120	103.9	210880	PASS
175	174	4	9	7.0	14664	PASS
176	174	93	101	96.2	202773	PASS
177	176	5	9	6.3	12770	PASS

24_AIR_1116.M Thu Dec 18 10:25:37 2025

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU98124

Lab Method / File Id: 24_AIR_1116.M / Average Date Analyzed: 11/16/25

Instrument ID: CHEM24 Time Analyzed: 21:21

GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

		IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
	REFERENCE STD	227595	7.40	811735	8.56	395315	11.05			Average
	UPPER LIMIT	319771	7.73	1140487	8.89	555417	11.38			Average
	LOWER LIMIT	135419	7.07	482982	8.23	235212	10.72			Average
	CLIENT ID									
01	ICAL 0.2	230551	7.40	814535	8.56	379030	11.05			1116_09.D
02	ICAL 0.5	232518	7.40	832137	8.56	381466	11.05			1116_10.D
03	ICAL 2.5	238905	7.40	839608	8.56	399062	11.05			1116_11.D
04	ICAL 5	241082	7.40	870186	8.56	404708	11.05			1116_12.D
05	ICAL 25	240246	7.40	860496	8.56	451390	11.05			1116_13.D
06	ICAL 40	224929	7.40	800050	8.56	444500	11.05			1116_14.D
07	ICAL 1	202081	7.40	723063	8.56	337047	11.04			1116_15.D
08	ICAL 10	210449	7.40	753804	8.56	365314	11.05			1116_16.D
09	ICV_CHEM24_1116	202673	7.40	718221	8.56	352363	11.05			1116_17.D
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
AREA LOWER LIMIT = - 60% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU98124

Lab Method / File Id: 24_AIR_1116.M / Average Date Analyzed: 11/16/25

Instrument ID: CHEM24 Time Analyzed: 21:21

GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

		IS1 (BCM) Area Avg	#	RT Avg	#	IS2 (DFB) Area Avg	#	RT Avg	#	IS3 (CBZ) Area Avg	#	RT Avg	#			LAB FILE ID
	REFERENCE STD	255118		7.40		815188		8.56		380026		11.05				Average
	UPPER LIMIT	358441		7.73		1145339		8.89		533937		11.38				Average
	LOWER LIMIT	151795		7.07		485037		8.23		226116		10.72				Average
	CLIENT ID															
01	ICAL 0.01	263336		7.40		844521		8.56		390051		11.05				1116_04.D
02	ICAL 0.02	264125		7.40		849540		8.56		390597		11.05				1116_05.D
03	ICAL 0.035	259133		7.40		821514		8.56		381356		11.05				1116_06.D
04	ICAL 0.05	254948		7.40		799312		8.56		376734		11.05				1116_07.D
05	ICAL 0.1	257066		7.40		818850		8.56		374541		11.04				1116_08.D
06	ICAL 0.2	257178		7.40		814535		8.56		379129		11.05				1116_09.D
07	ICAL 0.5	259257		7.40		832137		8.56		381466		11.05				1116_10.D
08	ICAL 2.5	265755		7.40		839608		8.56		399062		11.05				1116_11.D
09	ICAL 5	268296		7.40		870186		8.56		404708		11.05				1116_12.D
10	ICAL 1	223190		7.40		723063		8.56		337047		11.04				1116_15.D
11	ICAL 10	234012		7.40		753804		8.56		365598		11.05				1116_16.D
12																
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RT LOWER LIMIT = -0.33 minutes of internal standard RT

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* Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU98124

Lab Method / File Id: 24_AIR_1116.M / 1217_02.D Date Analyzed: 12/17/25

Instrument ID: CHEM24 Time Analyzed: 13:55

GC Column: RTX-1 ID: 0.18 (mm) Heated Purge:(Y/N) Y

		IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#			LAB FILE ID
	REFERENCE STD	169282		7.40		612290		8.56		278502		11.04				1217_02.D
	UPPER LIMIT	237841		7.73		860267		8.89		391295		11.37				1217_02.D
	LOWER LIMIT	100723		7.07		364313		8.23		165709		10.71				1217_02.D
	CLIENT ID															
01	CCAL 1	169282		7.40		612290		8.56		278502		11.04				1217_02.D
02	CU98036 LCS	171031		7.40		607391		8.56		288617		11.04				1217_04.D
03	CU98036 BLANK	170343		7.40		604295		8.56		270380		11.04				1217_05.D
04	CU98036 QC 0.5 X	158797		7.40		552619		8.56		251524		11.04				1217_13.D
05	CU98036 QC 0.5 X	151352		7.40		517221		8.56		239620		11.04				1217_14.D
06	SS-3 5X	149895		7.40		521108		8.56		234097		11.04				1217_19.D
07	SS-1 5X	154600		7.40		530265		8.56		246578		11.04				1217_20.D
08	SS-2 5X	158992		7.40		548358		8.56		247556		11.04				1217_21.D
09	CCCAL 1	168298		7.40		601567		8.56		272219		11.04				1217_25.D
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FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU98124

Lab Method / File Id: 24_AIR_1116.M / 1217_02.D Date Analyzed: 12/17/25

Instrument ID: CHEM24 Time Analyzed: 13:55

GC Column: RTX-1 ID: 0.18 (mm) Heated Purge:(Y/N) Y

		IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#			LAB FILE ID
	REFERENCE STD	190160		7.39		612127		8.56		278502		11.04				1217_02.D
	UPPER LIMIT	267175		7.72		860038		8.89		391295		11.37				1217_02.D
	LOWER LIMIT	113145		7.06		364216		8.23		165709		10.71				1217_02.D
	CLIENT ID															
01	CCAL 1	190160		7.39		612127		8.56		278502		11.04				1217_02.D
02	CU98036 LCS	188393		7.40		607391		8.56		288617		11.04				1217_04.D
03	CU98036 BLANK	187386		7.39		604295		8.56		270380		11.04				1217_05.D
04	CU98036 QC 0.5 X	176715		7.40		552619		8.56		251524		11.04				1217_13.D
05	CU98036 QC 0.5 X	166307		7.40		517221		8.56		239620		11.04				1217_14.D
06	SS-3 5X	168379		7.39		521108		8.56		234097		11.04				1217_19.D
07	SS-1 5X	171058		7.40		530265		8.56		246578		11.04				1217_20.D
08	SS-2 5X	176346		7.40		548358		8.56		247556		11.04				1217_21.D
09	CCCAL 1	188202		7.40		601567		8.56		272219		11.04				1217_25.D
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* Values outside of QC limits.

FORM VIII VOA

1

CLIENT ID

AIR ANALYSIS DATA SHEET

SS-3 5X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CU98124 5X

Canister: 7635 Lab File ID: 1217_19.D

Instrument: CHEM24 Column: RTX-1 Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/18/25

Matrix: AIR Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	2.91	U	2.91	2.91	r
75-71-8	Dichlorodifluoromethane	1.01	U	1.01	1.01	r
74-87-3	Chloromethane	2.42	U	2.42	2.42	r
106-99-0	1,3-Butadiene	2.26	U	2.26	2.26	r
75-00-3	Chloroethane	1.90	U	1.90	1.90	r
64-17-5	Ethanol	74.0	S	2.66	2.66	r
67-64-1	Acetone	6.20	S	2.11	2.11	r
67-63-0	Isopropylalcohol	49.9	S	2.04	2.04	r
107-13-1	Acrylonitrile	2.31	U	2.31	2.31	r
75-09-2	Methylene Chloride	4.32	U	4.32	4.32	r
75-15-0	Carbon Disulfide	1.61	U	1.61	1.61	r
1634-04-4	Methyl tert-butyl ether(MTBE)	1.39	U	1.39	1.39	r
78-93-3	Methyl Ethyl Ketone	1.70	U	1.70	1.70	r
110-54-3	Hexane	1.42	U	1.42	1.42	r
141-78-6	Ethyl acetate	2.61		1.39	1.39	r
109-99-9	Tetrahydrofuran	1.70	U	1.70	1.70	r
110-82-7	Cyclohexane	1.45	U	1.45	1.45	r
540-84-1	2,2,4-trimethylpentane	1.07	U	1.07	1.07	r
142-82-5	Heptane	1.22	U	1.22	1.22	r
108-10-1	4-Methyl-2-pentanone(MIBK)	1.22	U	1.22	1.22	r
10061-02-6	trans-1,3-Dichloropropene	1.10	U	1.10	1.10	r
108-88-3	Toluene	1.33	U	1.33	1.33	r
591-78-6	2-Hexanone(MBK)	1.22	U	1.22	1.22	r
630-20-6	1,1,1,2-Tetrachloroethane	0.729	U	0.729	0.729	r
108-90-7	Chlorobenzene	1.09	U	1.09	1.09	r
100-41-4	Ethylbenzene	1.15	U	1.15	1.15	r
100-42-5	Styrene	1.17	U	1.17	1.17	r
95-47-6	o-Xylene	1.15	U	1.15	1.15	r
98-82-8	Isopropylbenzene	1.02	U	1.02	1.02	r
622-96-8	4-Ethyltoluene	1.02	U	1.02	1.02	r
108-67-8	1,3,5-Trimethylbenzene	1.02	U	1.02	1.02	r
95-63-6	1,2,4-Trimethylbenzene	1.02	U	1.02	1.02	r
91-20-3	Naphthalene	1.00	U	1.00	1.00	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.716	U	0.716	0.716	r
75-01-4	Vinyl Chloride(sim)	0.390	U	0.390	0.390	r
74-83-9	Bromomethane(sim)	1.29	U	1.29	1.29	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1

CLIENT ID

AIR ANALYSIS DATA SHEET

SS-3 5X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CU98124 5X

Canister: 7635 Lab File ID: 1217_19.D

Instrument: CHEM24 Column: RTX-1 Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/18/25

Matrix: AIR Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.891	U	0.891	0.891	r
107-06-2	1,2-Dichloroethane(sim)	1.24	U	1.24	1.24	r
71-55-6	1,1,1-Trichloroethane(sim)	0.917	U	0.917	0.917	r
71-43-2	Benzene(sim)	1.57	U	1.57	1.57	r
56-23-5	Carbon Tetrachloride(sim)	0.159	U	0.159	0.159	r
75-35-4	1,1-Dichloroethene(sim)	0.252	U	0.252	0.252	r
76-13-1	Trichlorotrifluoroethane(sim)	0.653	U	0.653	0.653	r
156-60-5	Trans-1,2-Dichloroethene(sim)	1.26	U	1.26	1.26	r
75-34-3	1,1-Dichloroethane(sim)	1.24	U	1.24	1.24	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
67-66-3	Chloroform(sim)	1.02	U	1.02	1.02	r
78-87-5	1,2-dichloropropane(sim)	1.08	U	1.08	1.08	r
75-27-4	Bromodichloromethane(sim)	0.747	U	0.747	0.747	r
79-01-6	Trichloroethene(sim)	0.185	U	0.185	0.185	r
123-91-1	1,4-Dioxane(sim)	1.39	U	1.39	1.39	r
10061-01-5	cis-1,3-Dichloropropene(sim)	1.10	U	1.10	1.10	r
79-00-5	1,1,2-Trichloroethane(sim)	0.917	U	0.917	0.917	r
124-48-1	Dibromochloromethane(sim)	0.587	U	0.587	0.587	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.651	U	0.651	0.651	r
127-18-4	Tetrachloroethene(sim)	0.280		0.184	0.184	r
75-25-2	Bromoform(sim)	0.484	U	0.484	0.484	r
179601-23-1	m,p-Xylene(sim)	1.98		1.15	1.15	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.729	U	0.729	0.729	r
100-44-7	Benzyl chloride(sim)	0.966	U	0.966	0.966	r
541-73-1	1,3-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
106-46-7	1,4-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
135-98-8	sec-Butylbenzene(sim)	0.911	U	0.911	0.911	r
99-87-6	4-Isopropyltoluene(sim)	0.911	U	0.911	0.911	r
95-50-1	1,2-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
104-51-8	n-Butylbenzene(sim)	0.911	U	0.911	0.911	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.674	U	0.674	0.674	r
87-68-3	Hexachlorobutadiene(sim)	0.469	U	0.469	0.469	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_19.D
Acq On : 18 Dec 2025 2:50 am
Operator : Keith
Client ID : SS-3 5X
Lab ID : CU98124 5X
ALS Vial : 19 Sample Multiplier: 1

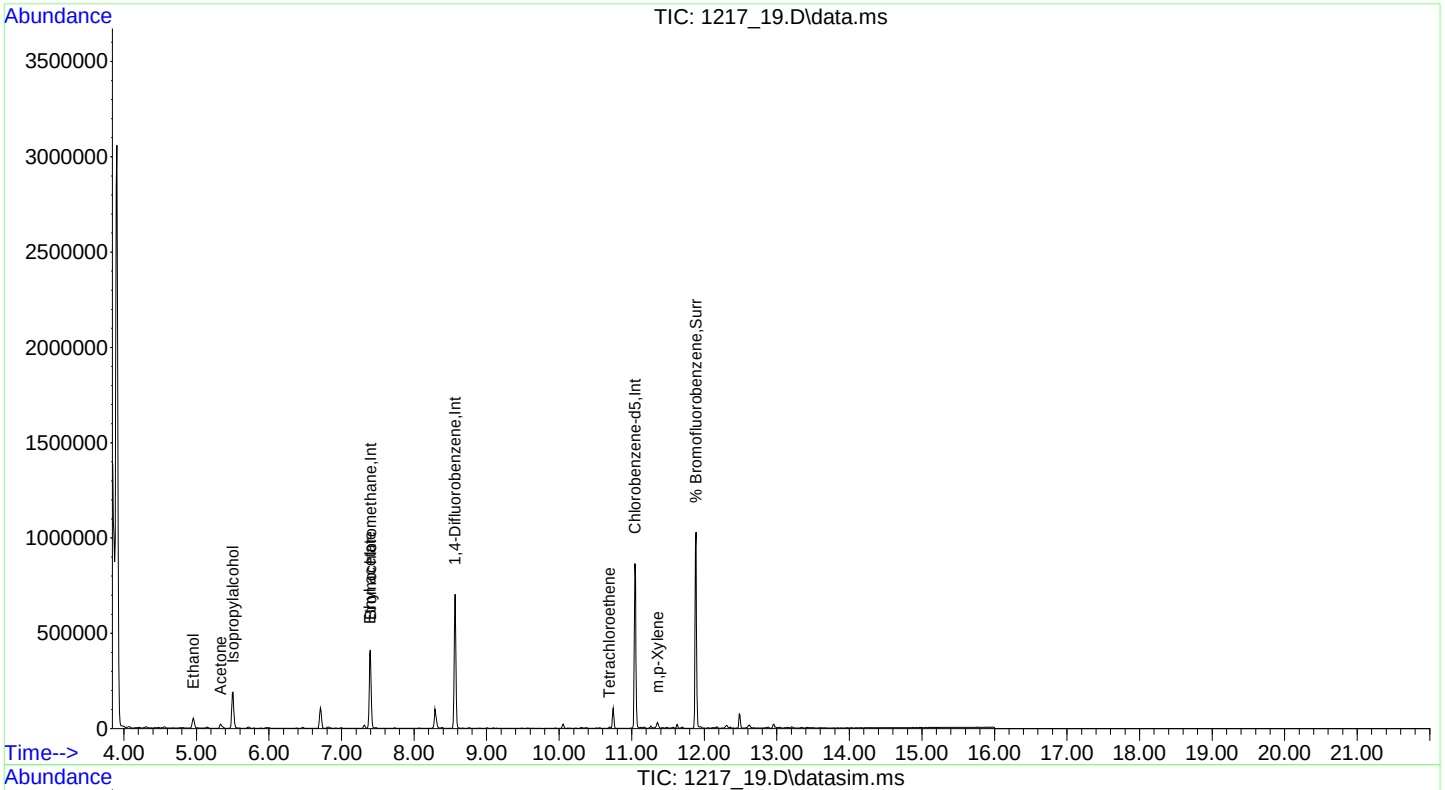
Quant Time: Dec 18 10:34:16 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

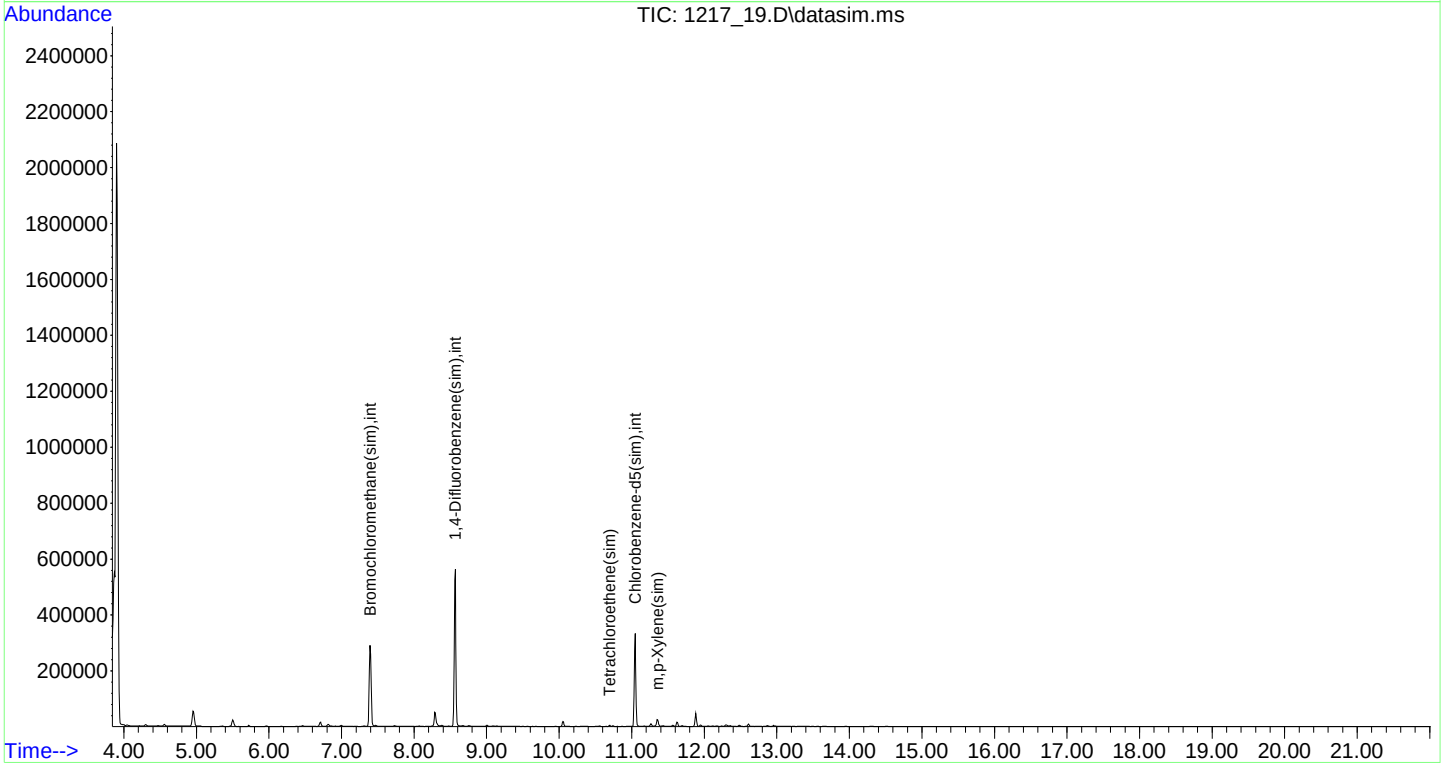
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	149895	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	521108	10.000	ng		0.00
53) Chlorobenzene-d5	11.043	82	234097	10.000	ng		0.00
80) Bromochloromethane(sim)	7.392	130	168379	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	521108	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.043	82	234097	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	303944	10.411	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.10%				
Target Compounds							Qvalue
11) Ethanol	4.957	45	64182	14.794	ppbv#		94
12) Acetone	5.331	43	25820	1.240	ppbv		96
14) Isopropylalcohol	5.503	45	246510	9.971	ppbv#		96
29) Ethyl acetate	7.390	61	2793	0.521	ppbv#		61
52) Tetrachloroethene	10.689	166	1829	0.056	ppbv		96
57) m,p-Xylene	11.354	91	20886	0.413	ppbv		96
104] Tetrachloroethene(sim)	10.692	166	2157	0.056	ppbv		95
107] m,p-Xylene(sim)	11.354	91	20887	0.396	ppbv		96

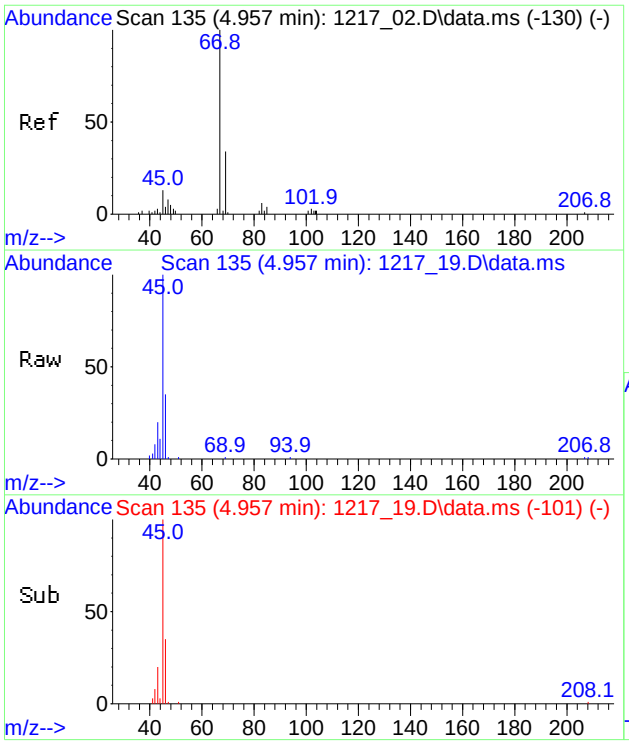
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_19.D
Acq On : 18 Dec 2025 2:50 am
Operator : Keith
Client ID : SS-3 5X
Lab ID : CU98124 5X
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 10:34:16 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration



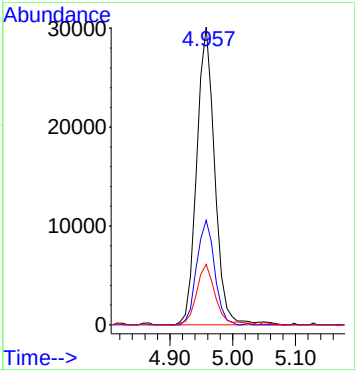


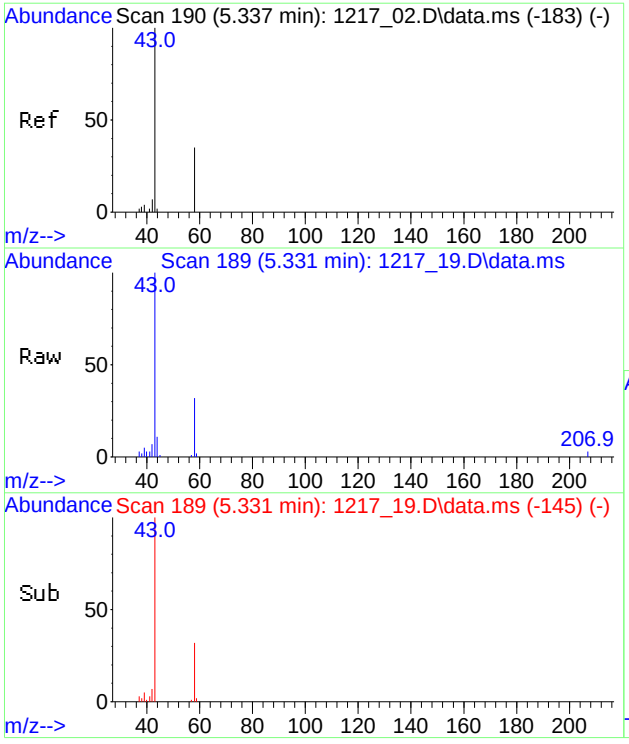


#11
Ethanol
Conc: 8$ 14.794 ppbv
RT: 4.957 min Scan# 135
Delta R.T. -0.017 min
Lab File: 1217_19.D
Acq: 18 Dec 2025 2:50 am

Tgt Ion: 45 Resp: 64182

Ion	Ratio	Lower	Upper
45	100		
46	32.6	25.0	37.6
43	19.9	20.0	30.0#

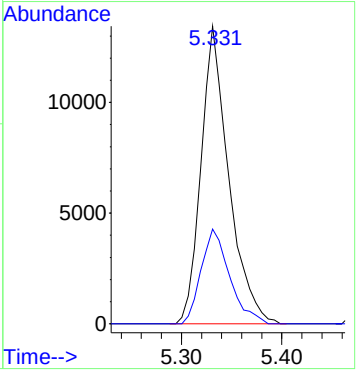


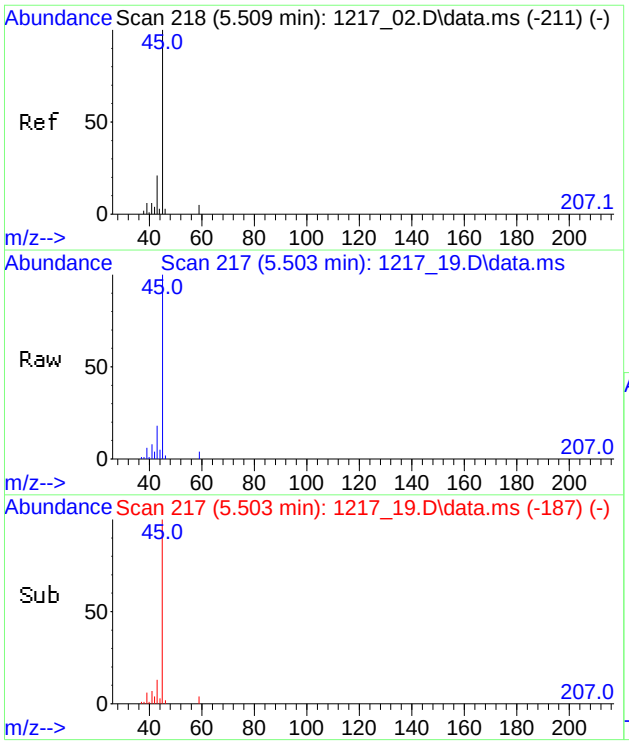


#12
Acetone
Conc: 8$ 1.240 ppbv
RT: 5.331 min Scan# 189
Delta R.T. -0.012 min
Lab File: 1217_19.D
Acq: 18 Dec 2025 2:50 am

Tgt Ion: 43 Resp: 25820

Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.6	37.0

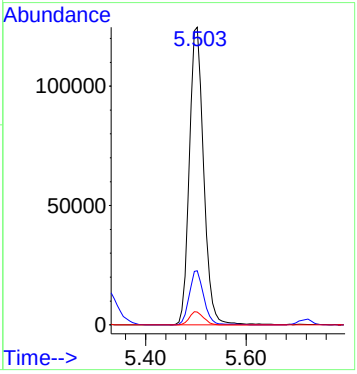


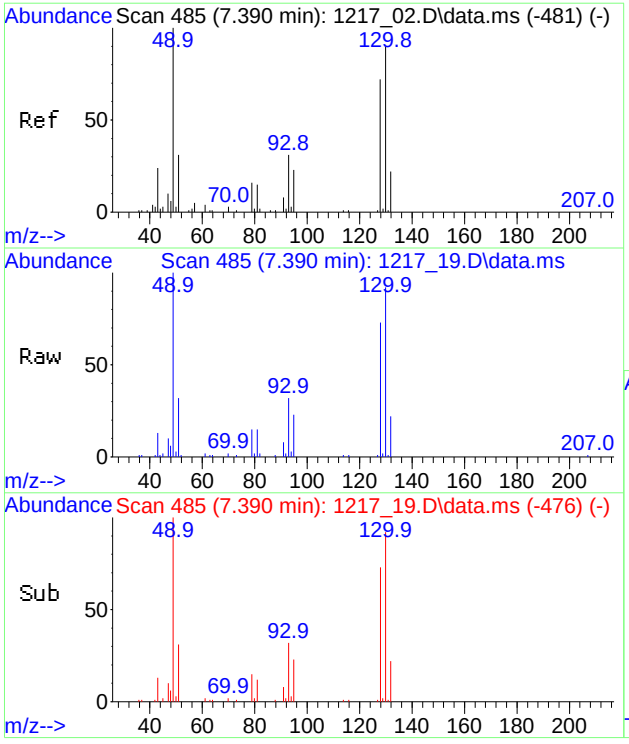


#14
Isopropylalcohol
Conc: 8$ 9.971 ppbv
RT: 5.503 min Scan# 217
Delta R.T. -0.018 min
Lab File: 1217_19.D
Acq: 18 Dec 2025 2:50 am

Tgt Ion: 45 Resp: 246510

Ion	Ratio	Lower	Upper
45	100		
43	18.2	13.3	19.9
59	4.4	2.6	4.0#

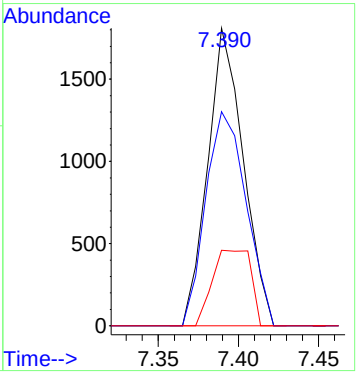


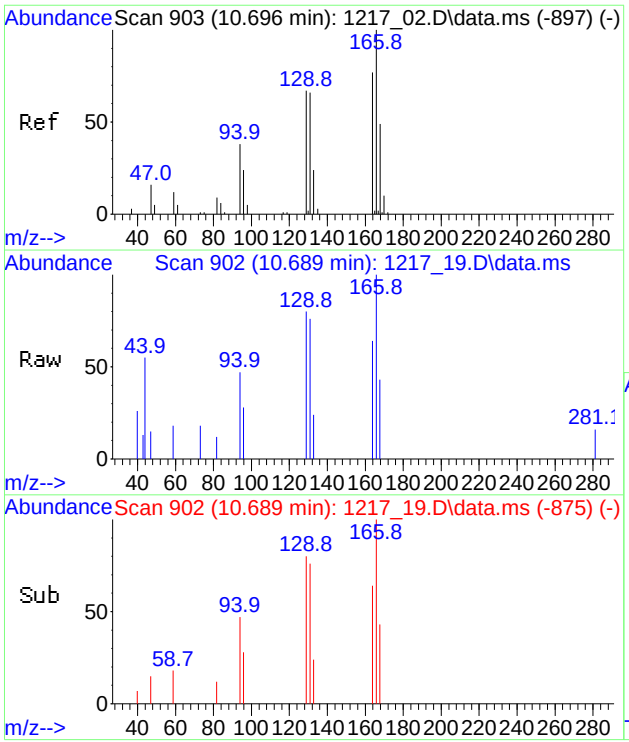


#29
Ethyl acetate
Conc: 8$ 0.521 ppbv
RT: 7.390 min Scan# 485
Delta R.T. -0.024 min
Lab File: 1217_19.D
Acq: 18 Dec 2025 2:50 am

Tgt Ion: 61 Resp: 2793

Ion	Ratio	Lower	Upper
61	100		
70	82.0	42.9	64.3#
88	27.4	10.0	15.0#

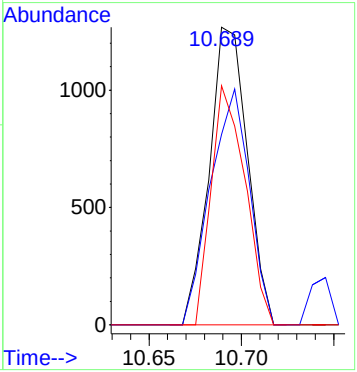


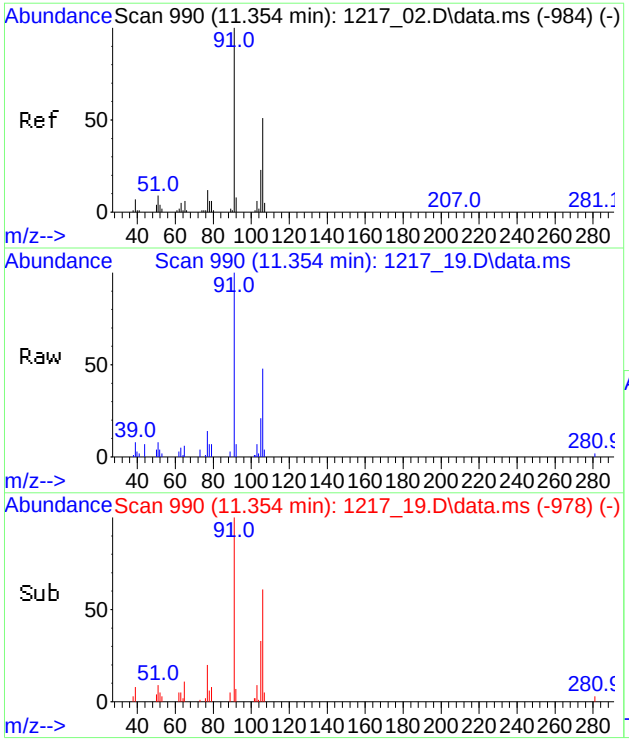


#52
Tetrachloroethene
Conc: 8$ Below Cal
RT: 10.689 min Scan# 902
Delta R.T. -0.007 min
Lab File: 1217_19.D
Acq: 18 Dec 2025 2:50 am

Tgt Ion:166 Resp: 1829

Ion	Ratio	Lower	Upper
166	100		
164	80.9	64.7	97.1
129	71.1	62.2	93.2

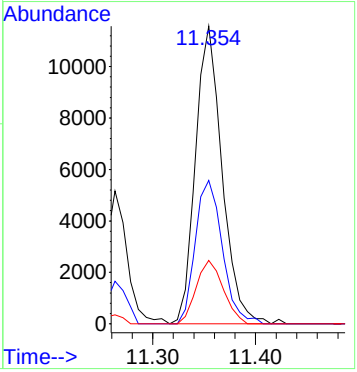


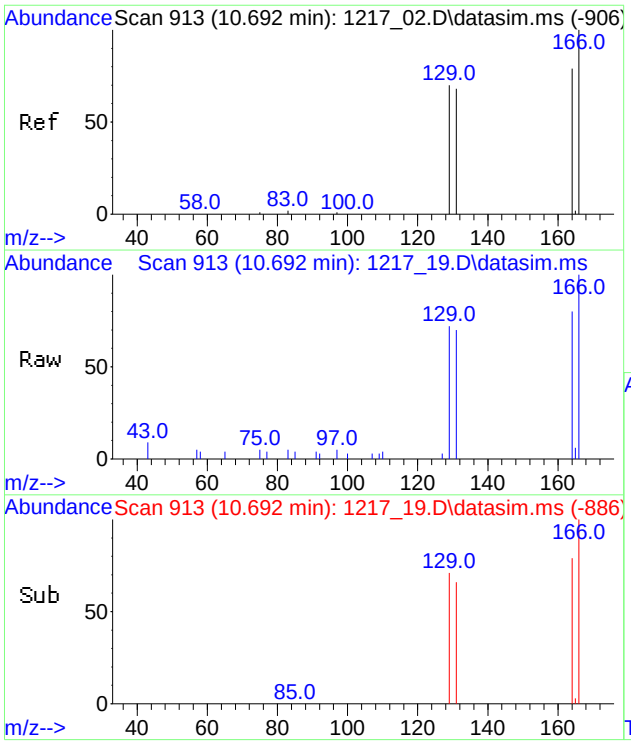


#57
m,p-Xylene
Conc: 8$ 0.413 ppbv
RT: 11.354 min Scan# 990
Delta R.T. -0.008 min
Lab File: 1217_19.D
Acq: 18 Dec 2025 2:50 am

Tgt Ion: 91 Resp: 20886

Ion	Ratio	Lower	Upper
91	100		
106	48.9	41.1	61.7
105	21.6	19.5	29.3

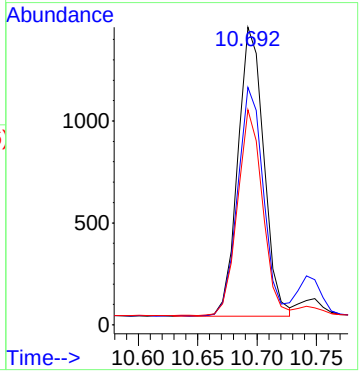


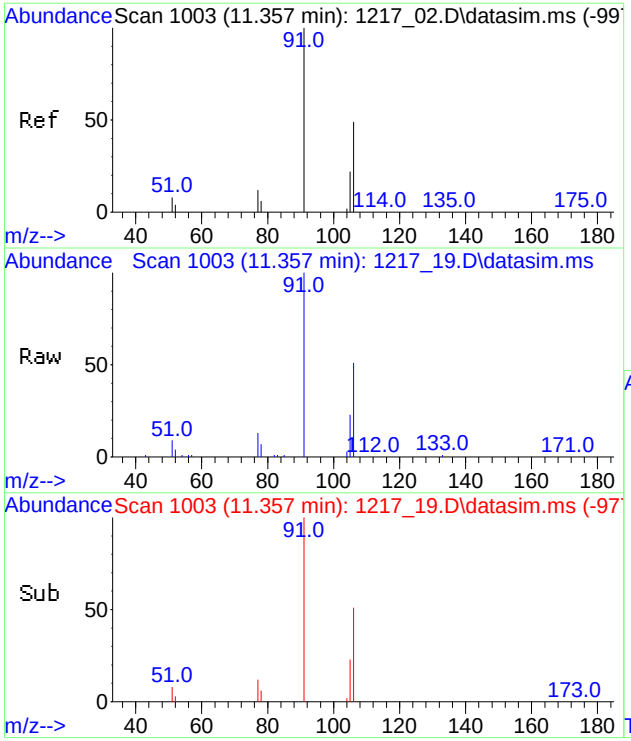


#104
Tetrachloroethene(sim)
Conc: 8$ 0.056 ppbv
RT: 10.692 min Scan# 913
Delta R.T. -0.007 min
Lab File: 1217_19.D
Acq: 18 Dec 2025 2:50 am

Tgt Ion:166 Resp: 2157

Ion	Ratio	Lower	Upper
166	100		
164	78.2	58.0	98.0
129	68.8	58.0	98.0

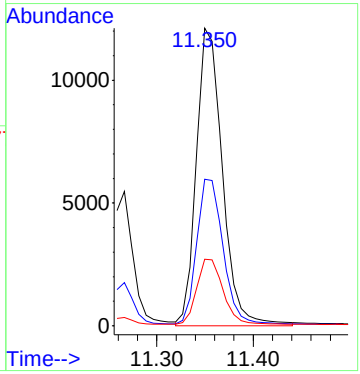




#107
m,p-Xylene(sim)
Conc: 8$ 0.396 ppbv
RT: 11.354 min Scan# 1003
Delta R.T. -0.008 min
Lab File: 1217_19.D
Acq: 18 Dec 2025 2:50 am

Tgt Ion: 91 Resp: 20887

Ion	Ratio	Lower	Upper
91	100		
106	48.9	46.3	56.5
105	21.6	19.5	29.3



1

CLIENT ID

AIR ANALYSIS DATA SHEET

SS-1 5X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CU98125 5X

Canister: 23336 Lab File ID: 1217_20.D

Instrument: CHEM24 Column: RTX-1 Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/18/25

Matrix: AIR Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	2.91	U	2.91	2.91	r
75-71-8	Dichlorodifluoromethane	1.01	U	1.01	1.01	r
74-87-3	Chloromethane	2.42	U	2.42	2.42	r
106-99-0	1,3-Butadiene	2.26	U	2.26	2.26	r
75-00-3	Chloroethane	1.90	U	1.90	1.90	r
64-17-5	Ethanol	81.8	S	2.66	2.66	r
67-64-1	Acetone	6.48	S	2.11	2.11	r
67-63-0	Isopropylalcohol	57.2	S	2.04	2.04	r
107-13-1	Acrylonitrile	2.31	U	2.31	2.31	r
75-09-2	Methylene Chloride	4.32	U	4.32	4.32	r
75-15-0	Carbon Disulfide	1.61	U	1.61	1.61	r
1634-04-4	Methyl tert-butyl ether(MTBE)	1.39	U	1.39	1.39	r
78-93-3	Methyl Ethyl Ketone	1.70	U	1.70	1.70	r
110-54-3	Hexane	1.42	U	1.42	1.42	r
67-66-3	Chloroform	1.86		1.02	1.02	r
141-78-6	Ethyl acetate	2.37		1.39	1.39	r
109-99-9	Tetrahydrofuran	1.70	U	1.70	1.70	r
110-82-7	Cyclohexane	1.45	U	1.45	1.45	r
540-84-1	2,2,4-trimethylpentane	1.07	U	1.07	1.07	r
142-82-5	Heptane	1.22	U	1.22	1.22	r
108-10-1	4-Methyl-2-pentanone(MIBK)	1.22	U	1.22	1.22	r
10061-02-6	trans-1,3-Dichloropropene	1.10	U	1.10	1.10	r
108-88-3	Toluene	1.33	U	1.33	1.33	r
591-78-6	2-Hexanone(MBK)	1.22	U	1.22	1.22	r
127-18-4	Tetrachloroethene	7.89		0.184	0.184	r
630-20-6	1,1,1,2-Tetrachloroethane	0.729	U	0.729	0.729	r
108-90-7	Chlorobenzene	1.09	U	1.09	1.09	r
100-41-4	Ethylbenzene	1.15	U	1.15	1.15	r
179601-23-1	m,p-Xylene	2.39		1.15	1.15	r
100-42-5	Styrene	1.17	U	1.17	1.17	r
95-47-6	o-Xylene	1.15	U	1.15	1.15	r
98-82-8	Isopropylbenzene	1.02	U	1.02	1.02	r
622-96-8	4-Ethyltoluene	1.02	U	1.02	1.02	r
108-67-8	1,3,5-Trimethylbenzene	1.02	U	1.02	1.02	r
95-63-6	1,2,4-Trimethylbenzene	1.02	U	1.02	1.02	r
91-20-3	Naphthalene	1.00	U	1.00	1.00	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1

AIR ANALYSIS DATA SHEET

CLIENT ID: SS-1 5X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CU98125 5X

Canister: 23336 Lab File ID: 1217_20.D

Instrument: CHEM24 Column: RTX-1 Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/18/25

Matrix: AIR Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.716	U	0.716	0.716	r
75-01-4	Vinyl Chloride(sim)	0.390	U	0.390	0.390	r
74-83-9	Bromomethane(sim)	1.29	U	1.29	1.29	r
75-69-4	Trichlorofluoromethane(sim)	0.891	U	0.891	0.891	r
107-06-2	1,2-Dichloroethane(sim)	1.24	U	1.24	1.24	r
71-55-6	1,1,1-Trichloroethane(sim)	0.917	U	0.917	0.917	r
71-43-2	Benzene(sim)	1.57	U	1.57	1.57	r
56-23-5	Carbon Tetrachloride(sim)	0.159	U	0.159	0.159	r
75-35-4	1,1-Dichloroethene(sim)	0.252	U	0.252	0.252	r
76-13-1	Trichlorotrifluoroethane(sim)	0.653	U	0.653	0.653	r
156-60-5	Trans-1,2-Dichloroethene(sim)	1.26	U	1.26	1.26	r
75-34-3	1,1-Dichloroethane(sim)	1.24	U	1.24	1.24	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
78-87-5	1,2-dichloropropane(sim)	1.08	U	1.08	1.08	r
75-27-4	Bromodichloromethane(sim)	0.747	U	0.747	0.747	r
79-01-6	Trichloroethene(sim)	0.185	U	0.185	0.185	r
123-91-1	1,4-Dioxane(sim)	1.39	U	1.39	1.39	r
10061-01-5	cis-1,3-Dichloropropene(sim)	1.10	U	1.10	1.10	r
79-00-5	1,1,2-Trichloroethane(sim)	0.917	U	0.917	0.917	r
124-48-1	Dibromochloromethane(sim)	0.587	U	0.587	0.587	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.651	U	0.651	0.651	r
75-25-2	Bromoform(sim)	0.484	U	0.484	0.484	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.729	U	0.729	0.729	r
100-44-7	Benzyl chloride(sim)	0.966	U	0.966	0.966	r
541-73-1	1,3-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
106-46-7	1,4-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
135-98-8	sec-Butylbenzene(sim)	0.911	U	0.911	0.911	r
99-87-6	4-Isopropyltoluene(sim)	0.911	U	0.911	0.911	r
95-50-1	1,2-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
104-51-8	n-Butylbenzene(sim)	0.911	U	0.911	0.911	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.674	U	0.674	0.674	r
87-68-3	Hexachlorobutadiene(sim)	0.469	U	0.469	0.469	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_20.D
Acq On : 18 Dec 2025 3:26 am
Operator : Keith
Client ID : SS-1 5X
Lab ID : CU98125 5X
ALS Vial : 20 Sample Multiplier: 1

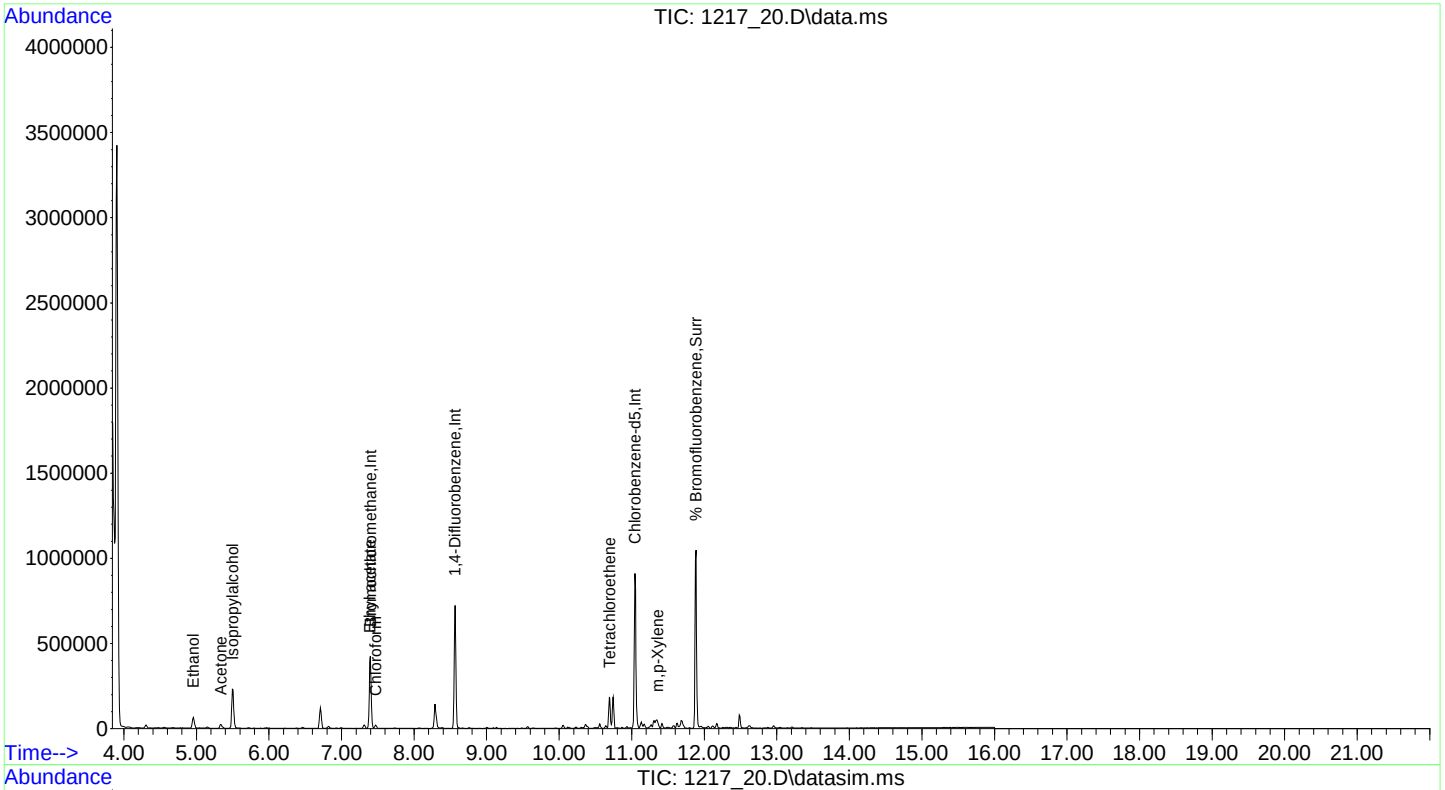
Quant Time: Dec 18 10:34:38 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

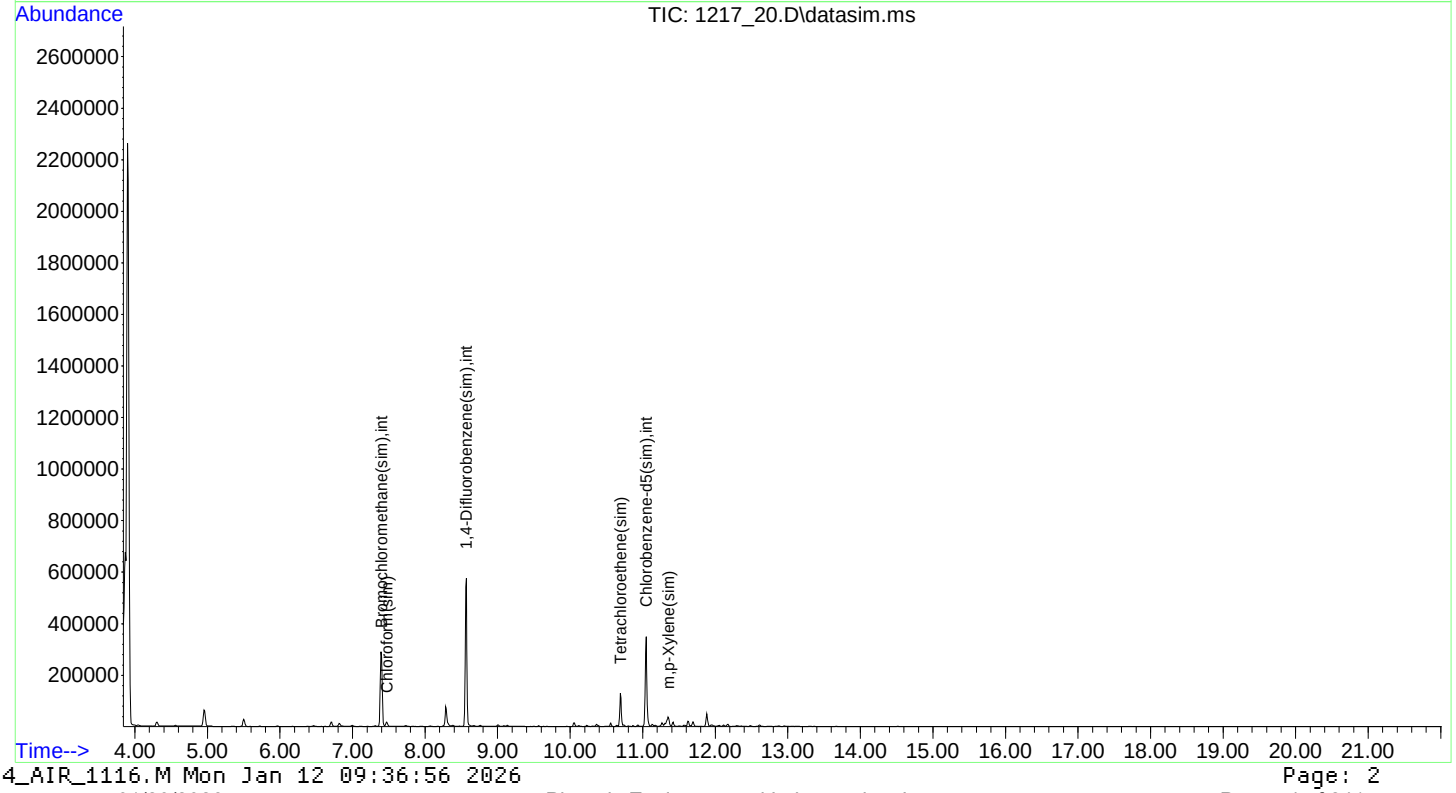
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	154600	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	530265	10.000	ng		0.00
53) Chlorobenzene-d5	11.043	82	246578	10.000	ng		0.00
80) Bromochloromethane(sim)	7.401	130	171058	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	530265	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.043	82	246578	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	313374	10.191	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.90%				
Target Compounds							Qvalue
11) Ethanol	4.957	45	73237	16.367	ppbv		94
12) Acetone	5.337	43	27818	1.295	ppbv		91
14) Isopropylalcohol	5.497	45	291448	11.430	ppbv#		96
28) Chloroform	7.471	83	13992	0.372	ppbv		95
29) Ethyl acetate	7.389	61	2620	0.474	ppbv#		73
52) Tetrachloroethene	10.696	166	52754	1.577	ppbv		94
57) m,p-Xylene	11.354	91	25379	0.477	ppbv		98
61) o-Xylene	11.627	91	13091	0.227	ppbv		96
94] Chloroform(sim)	7.473	83	15108	0.345	ppbv#		95
104] Tetrachloroethene(sim)	10.692	166	59473	1.511	ppbv		94
107] m,p-Xylene(sim)	11.354	91	26417	0.475	ppbv		95

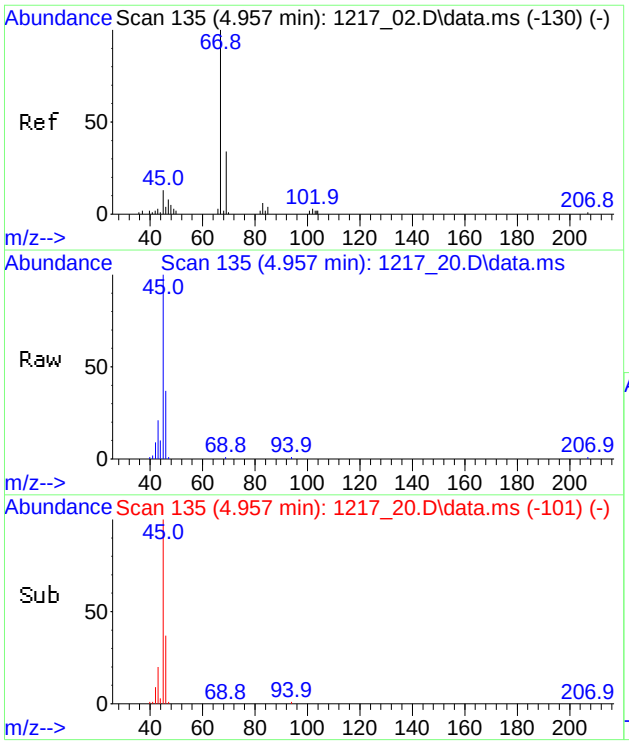
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_20.D
Acq On : 18 Dec 2025 3:26 am
Operator : Keith
Client ID : SS-1 5X
Lab ID : CU98125 5X
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 18 10:34:38 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration



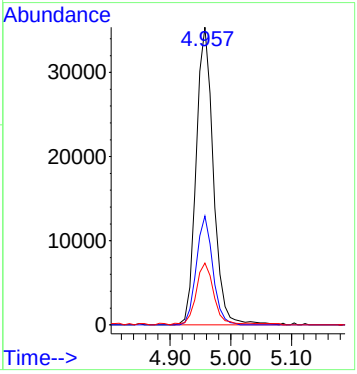


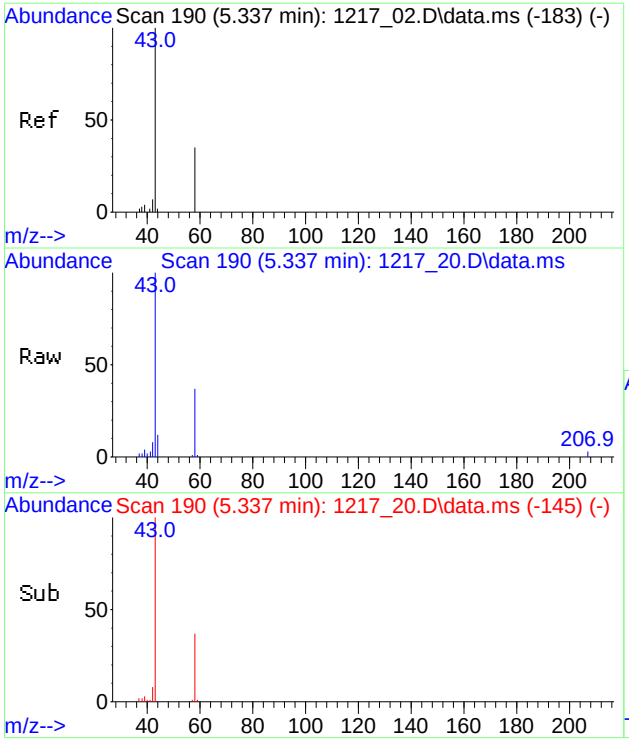


#11
Ethanol
Conc: 8$ 16.367 ppbv
RT: 4.957 min Scan# 135
Delta R.T. -0.017 min
Lab File: 1217_20.D
Acq: 18 Dec 2025 3:26 am

Tgt Ion: 45 Resp: 73237

Ion	Ratio	Lower	Upper
45	100		
46	33.1	25.0	37.6
43	20.2	20.0	30.0

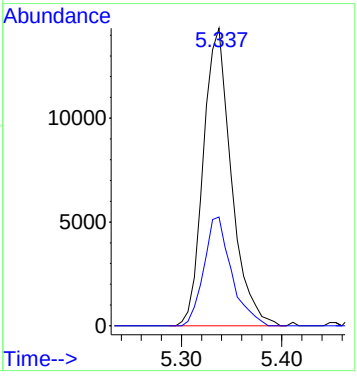


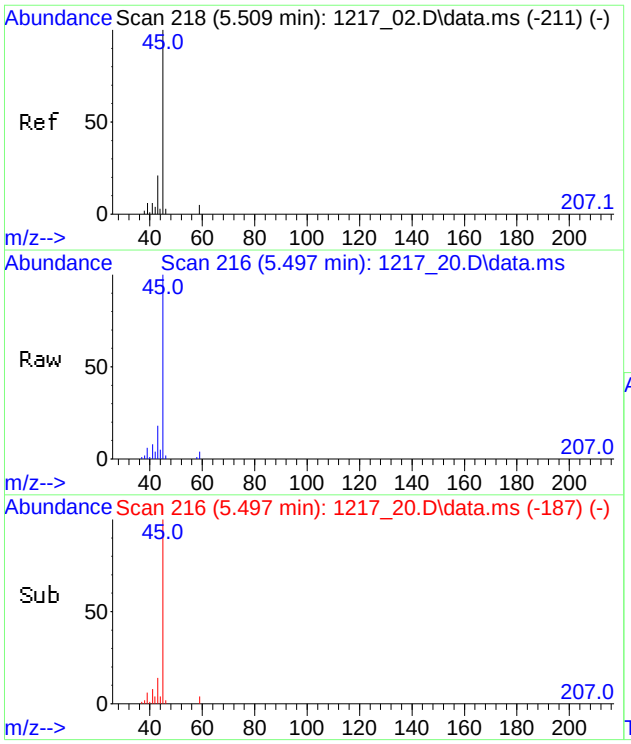


#12
Acetone
Conc: 8$ 1.295 ppbv
RT: 5.337 min Scan# 190
Delta R.T. -0.006 min
Lab File: 1217_20.D
Acq: 18 Dec 2025 3:26 am

Tgt Ion: 43 Resp: 27818

Ion	Ratio	Lower	Upper
43	100		
58	35.9	24.6	37.0

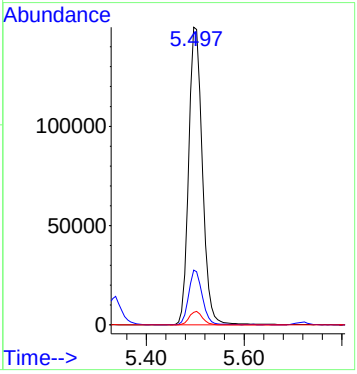


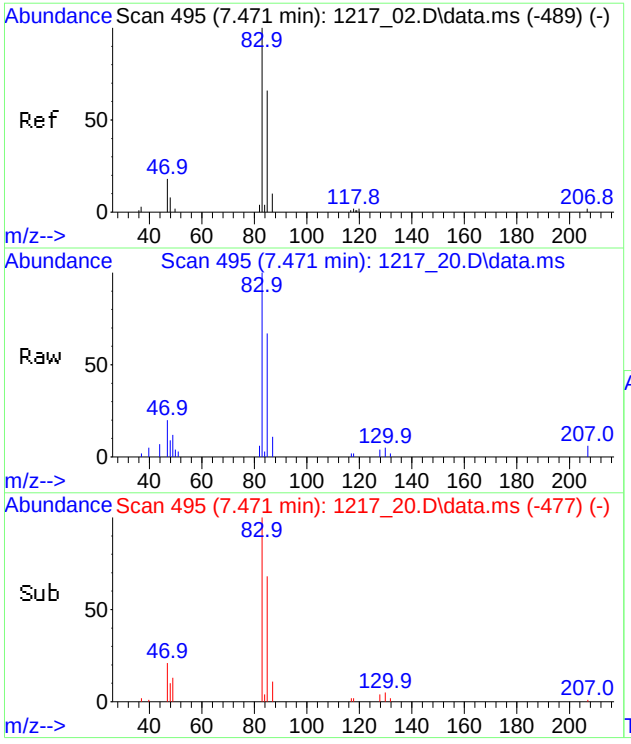


#14
Isopropylalcohol
Conc: 8$ 11.430 ppbv
RT: 5.497 min Scan# 216
Delta R.T. -0.024 min
Lab File: 1217_20.D
Acq: 18 Dec 2025 3:26 am

Tgt Ion: 45 Resp: 291448

Ion	Ratio	Lower	Upper
45	100		
43	18.3	13.3	19.9
59	4.4	2.6	4.0#

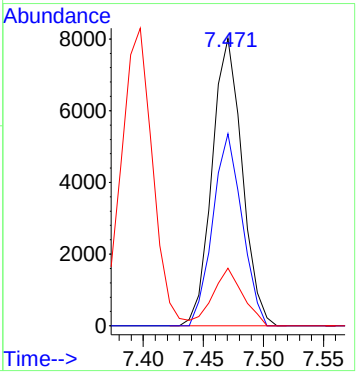




#28
Chloroform
Conc: 8$ 0.372 ppbv
RT: 7.471 min Scan# 495
Delta R.T. -0.000 min
Lab File: 1217_20.D
Acq: 18 Dec 2025 3:26 am

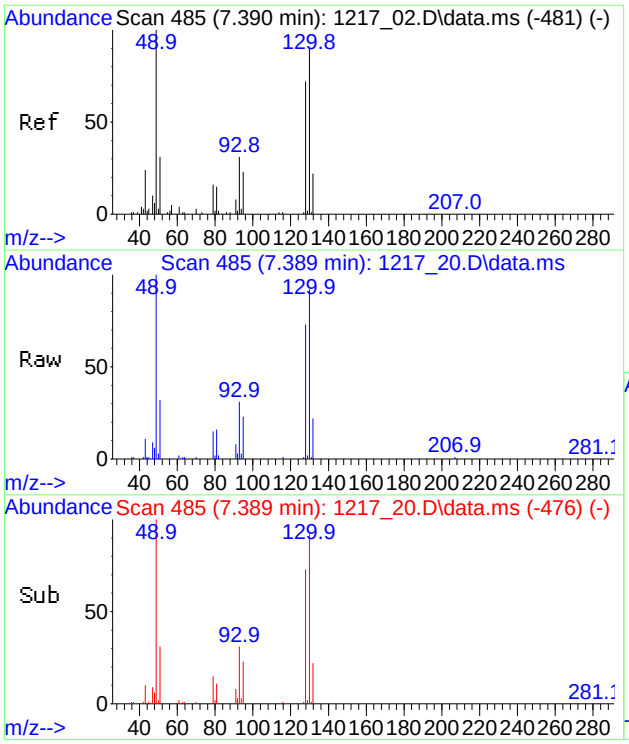
Tgt Ion: 83 Resp: 13992

Ion	Ratio	Lower	Upper
83	100		
85	65.3	44.4	84.4
47	20.0	7.4	47.4



Is this the correct ref spectra for Ethyl Acetate?

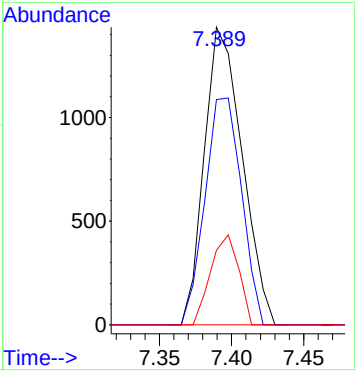
The Ions to not agree

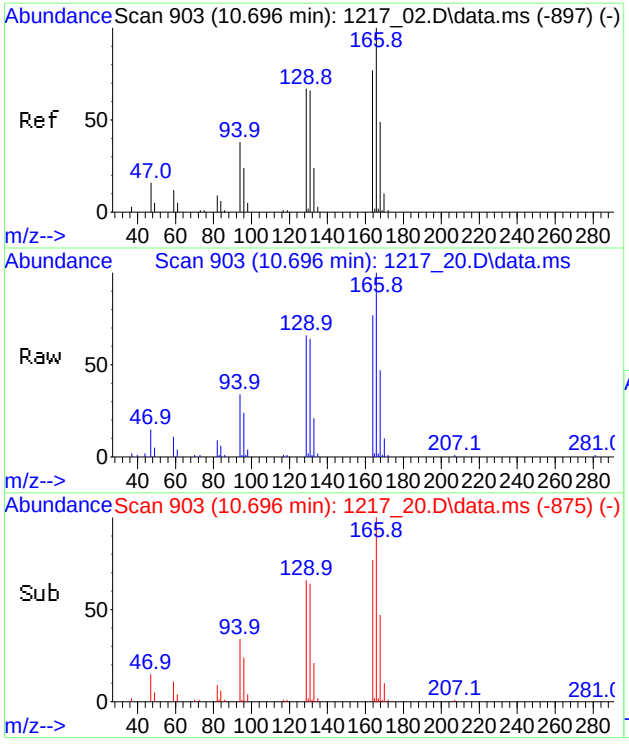


#29
Ethyl acetate
Conc: 8$ 0.474 ppbv
RT: 7.389 min Scan# 485
Delta R.T. -0.025 min
Lab File: 1217_20.D
Acq: 18 Dec 2025 3:26 am

Tgt Ion: 61 Resp: 2620

Ion	Ratio	Lower	Upper
61	100		
70	73.4	42.9	64.3#
88	22.3	10.0	15.0#

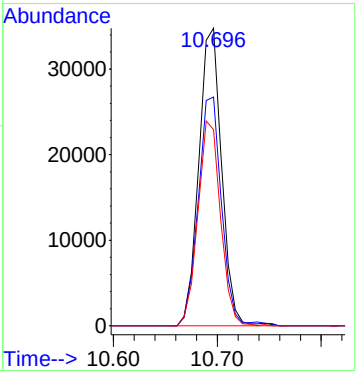


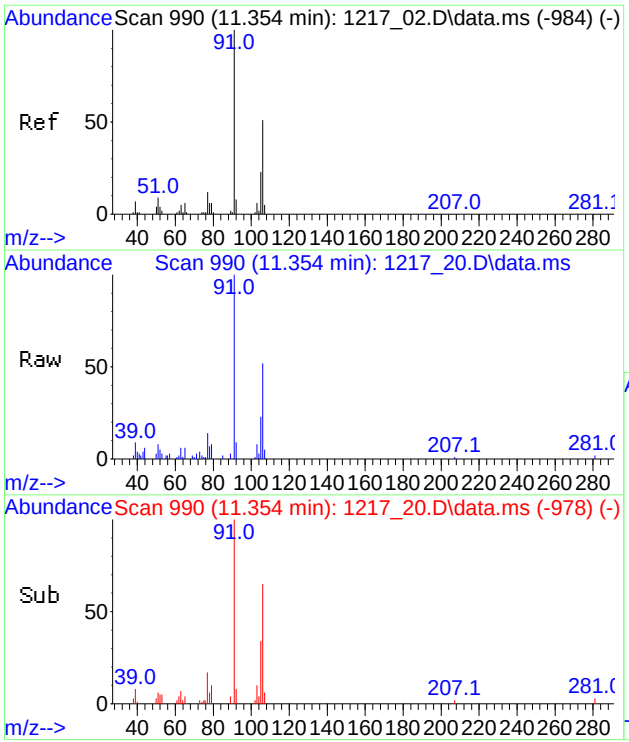


#52
Tetrachloroethene
Conc: 8$ 1.577 ppbv
RT: 10.696 min Scan# 903
Delta R.T. 0.000 min
Lab File: 1217_20.D
Acq: 18 Dec 2025 3:26 am

Tgt Ion:166 Resp: 52754

Ion	Ratio	Lower	Upper
166	100		
164	79.0	64.7	97.1
129	68.2	62.2	93.2

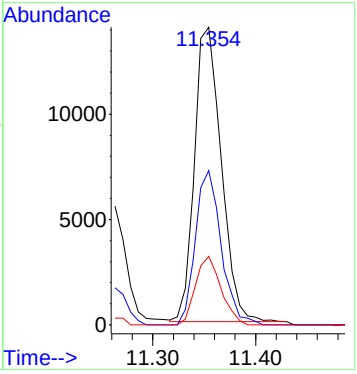


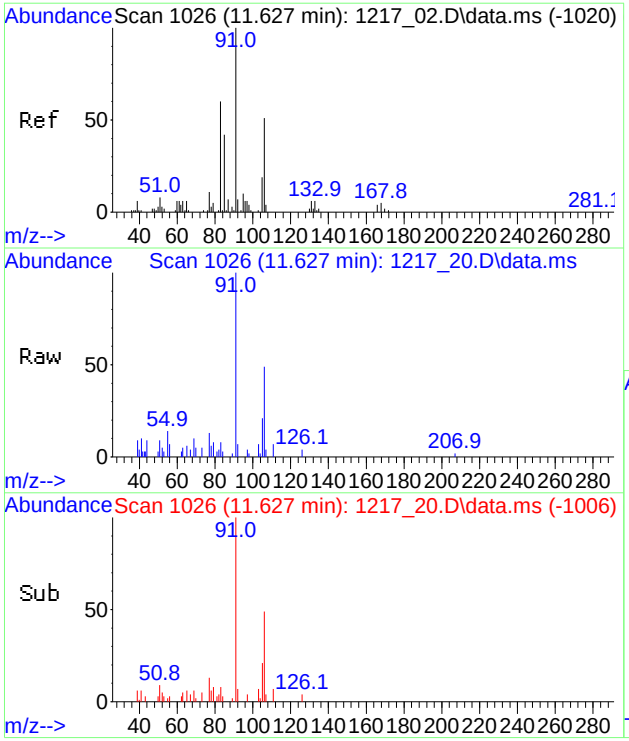


#57
m,p-Xylene
Conc: 8$ 0.477 ppbv
RT: 11.354 min Scan# 990
Delta R.T. -0.008 min
Lab File: 1217_20.D
Acq: 18 Dec 2025 3:26 am

Tgt Ion: 91 Resp: 25379

Ion	Ratio	Lower	Upper
91	100		
106	50.4	41.1	61.7
105	22.1	19.5	29.3

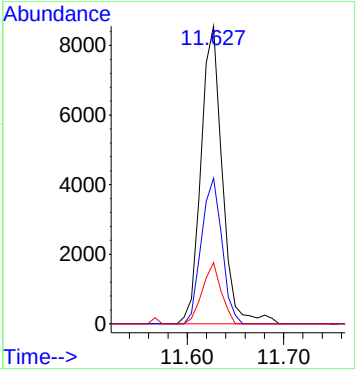


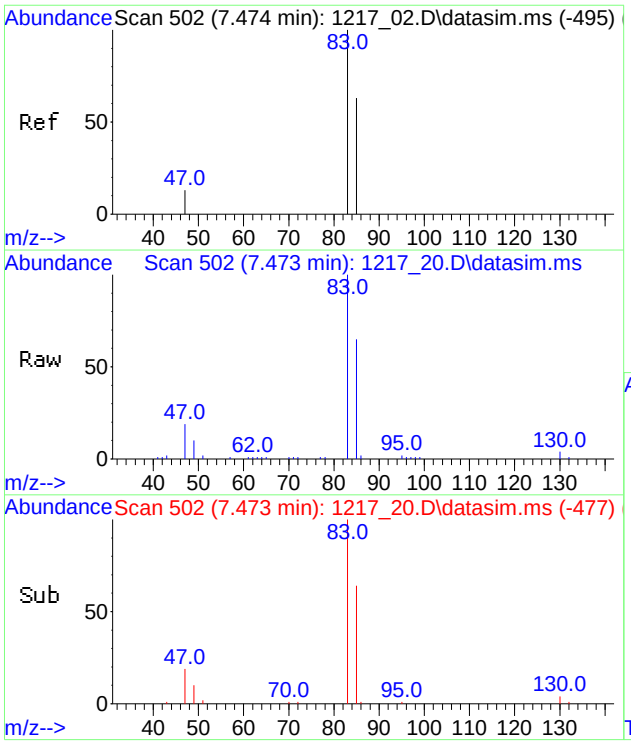


#61
o-Xylene
Conc: 8$ 0.227 ppbv
RT: 11.627 min Scan# 1026
Delta R.T. 0.000 min
Lab File: 1217_20.D
Acq: 18 Dec 2025 3:26 am

Tgt Ion: 91 Resp: 13091

Ion	Ratio	Lower	Upper
91	100		
106	46.9	39.6	59.4
105	18.1	16.7	25.1

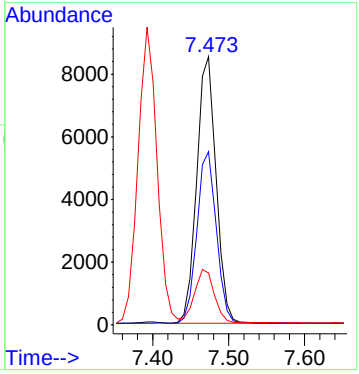


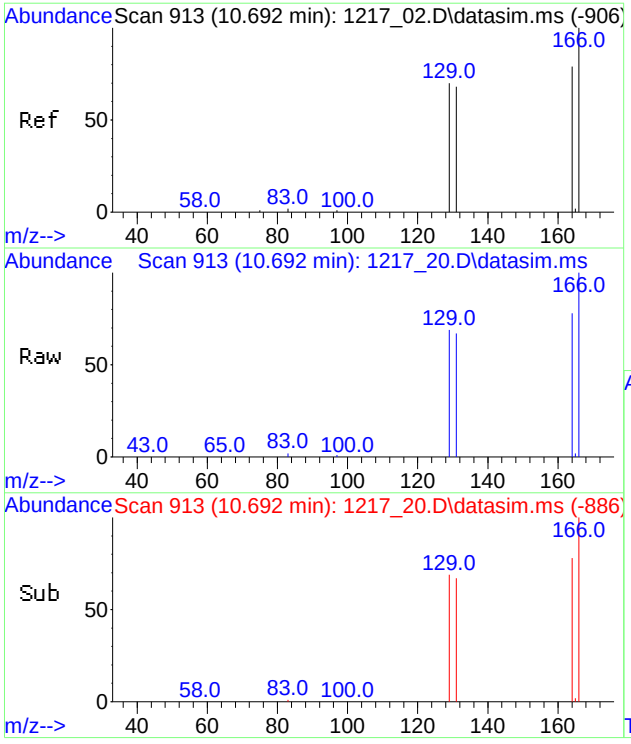


#94
Chloroform(sim)
Conc: 8$ 0.345 ppbv
RT: 7.473 min Scan# 502
Delta R.T. 0.000 min
Lab File: 1217_20.D
Acq: 18 Dec 2025 3:26 am

Tgt Ion: 83 Resp: 15108

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4
47	20.4	23.0	34.4#

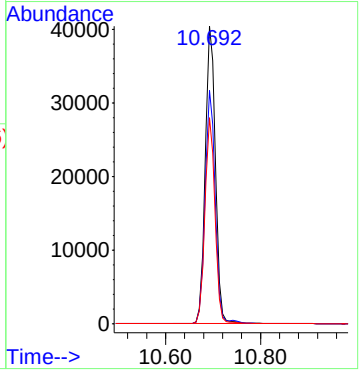


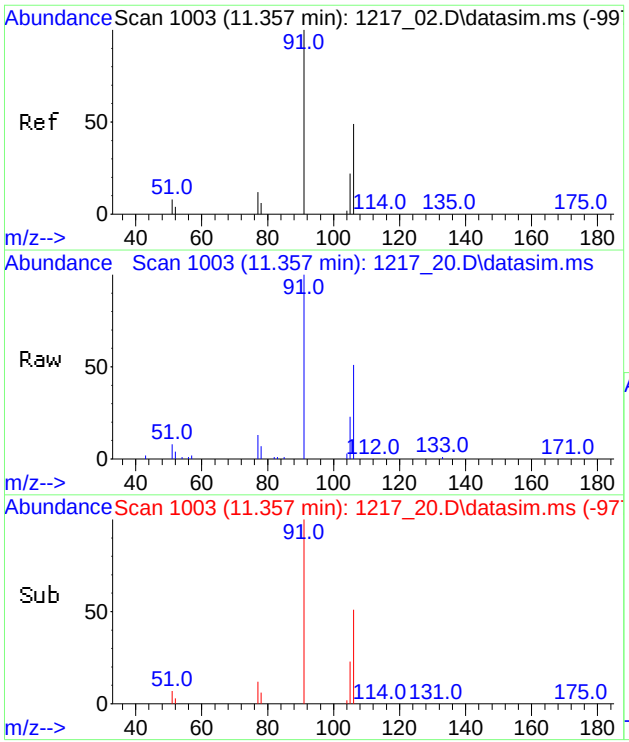


#104
Tetrachloroethene(sim)
Conc: 8$ 1.511 ppbv
RT: 10.692 min Scan# 913
Delta R.T. -0.007 min
Lab File: 1217_20.D
Acq: 18 Dec 2025 3:26 am

Tgt Ion:166 Resp: 59473

Ion	Ratio	Lower	Upper
166	100		
164	78.5	58.0	98.0
129	68.4	58.0	98.0

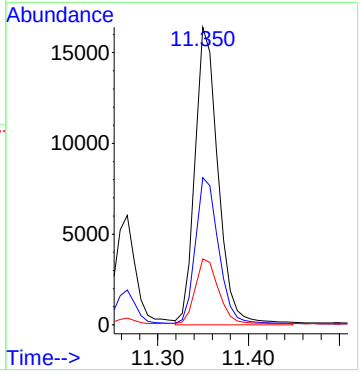




#107
m,p-Xylene(sim)
Conc: 8$ 0.475 ppbv
RT: 11.354 min Scan# 1003
Delta R.T. -0.008 min
Lab File: 1217_20.D
Acq: 18 Dec 2025 3:26 am

Tgt Ion: 91 Resp: 26417

Ion	Ratio	Lower	Upper
91	100		
106	48.4	46.3	56.5
105	21.3	19.5	29.3



CLIENT ID

AIR ANALYSIS DATA SHEET

SS-2 5X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CU98126 5X

Canister: 53474 Lab File ID: 1217_21.D

Instrument: CHEM24 Column: RTX-1 Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/18/25

Matrix: AIR Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	2.91	U	2.91	2.91	r
75-71-8	Dichlorodifluoromethane	1.01	U	1.01	1.01	r
74-87-3	Chloromethane	2.42	U	2.42	2.42	r
106-99-0	1,3-Butadiene	2.26	U	2.26	2.26	r
75-00-3	Chloroethane	1.90	U	1.90	1.90	r
64-17-5	Ethanol	154	S	2.66	2.66	r
67-64-1	Acetone	10.0	S	2.11	2.11	r
67-63-0	Isopropylalcohol	106	S	2.04	2.04	r
107-13-1	Acrylonitrile	2.31	U	2.31	2.31	r
75-09-2	Methylene Chloride	4.32	U	4.32	4.32	r
75-15-0	Carbon Disulfide	1.61	U	1.61	1.61	r
1634-04-4	Methyl tert-butyl ether(MTBE)	1.39	U	1.39	1.39	r
78-93-3	Methyl Ethyl Ketone	1.70	U	1.70	1.70	r
110-54-3	Hexane	1.42	U	1.42	1.42	r
141-78-6	Ethyl acetate	2.51		1.39	1.39	r
109-99-9	Tetrahydrofuran	2.24		1.70	1.70	r
110-82-7	Cyclohexane	1.45	U	1.45	1.45	r
540-84-1	2,2,4-trimethylpentane	1.07	U	1.07	1.07	r
142-82-5	Heptane	1.22	U	1.22	1.22	r
108-10-1	4-Methyl-2-pentanone(MIBK)	1.22	U	1.22	1.22	r
10061-02-6	trans-1,3-Dichloropropene	1.10	U	1.10	1.10	r
108-88-3	Toluene	1.33	U	1.33	1.33	r
591-78-6	2-Hexanone(MBK)	1.22	U	1.22	1.22	r
630-20-6	1,1,1,2-Tetrachloroethane	0.729	U	0.729	0.729	r
108-90-7	Chlorobenzene	1.09	U	1.09	1.09	r
100-41-4	Ethylbenzene	1.15	U	1.15	1.15	r
100-42-5	Styrene	1.17	U	1.17	1.17	r
95-47-6	o-Xylene	1.15	U	1.15	1.15	r
98-82-8	Isopropylbenzene	1.02	U	1.02	1.02	r
622-96-8	4-Ethyltoluene	1.02	U	1.02	1.02	r
108-67-8	1,3,5-Trimethylbenzene	1.02	U	1.02	1.02	r
95-63-6	1,2,4-Trimethylbenzene	1.02	U	1.02	1.02	r
91-20-3	Naphthalene	1.00	U	1.00	1.00	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.716	U	0.716	0.716	r
75-01-4	Vinyl Chloride(sim)	0.390	U	0.390	0.390	r
74-83-9	Bromomethane(sim)	1.29	U	1.29	1.29	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1

CLIENT ID

AIR ANALYSIS DATA SHEET

SS-2 5X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CU98126 5X

Canister: 53474 Lab File ID: 1217_21.D

Instrument: CHEM24 Column: RTX-1 Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/18/25

Matrix: AIR Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.891	U	0.891	0.891	r
107-06-2	1,2-Dichloroethane(sim)	1.24	U	1.24	1.24	r
71-55-6	1,1,1-Trichloroethane(sim)	0.917	U	0.917	0.917	r
71-43-2	Benzene(sim)	1.57	U	1.57	1.57	r
56-23-5	Carbon Tetrachloride(sim)	0.159	U	0.159	0.159	r
75-35-4	1,1-Dichloroethene(sim)	0.252	U	0.252	0.252	r
76-13-1	Trichlorotrifluoroethane(sim)	0.653	U	0.653	0.653	r
156-60-5	Trans-1,2-Dichloroethene(sim)	1.26	U	1.26	1.26	r
75-34-3	1,1-Dichloroethane(sim)	1.24	U	1.24	1.24	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
67-66-3	Chloroform(sim)	1.02	U	1.02	1.02	r
78-87-5	1,2-dichloropropane(sim)	1.08	U	1.08	1.08	r
75-27-4	Bromodichloromethane(sim)	0.747	U	0.747	0.747	r
79-01-6	Trichloroethene(sim)	0.185	U	0.185	0.185	r
123-91-1	1,4-Dioxane(sim)	1.39	U	1.39	1.39	r
10061-01-5	cis-1,3-Dichloropropene(sim)	1.10	U	1.10	1.10	r
79-00-5	1,1,2-Trichloroethane(sim)	0.917	U	0.917	0.917	r
124-48-1	Dibromochloromethane(sim)	0.587	U	0.587	0.587	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.651	U	0.651	0.651	r
127-18-4	Tetrachloroethene(sim)	0.275		0.184	0.184	r
75-25-2	Bromoform(sim)	0.484	U	0.484	0.484	r
179601-23-1	m,p-Xylene(sim)	1.86		1.15	1.15	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.729	U	0.729	0.729	r
100-44-7	Benzyl chloride(sim)	0.966	U	0.966	0.966	r
541-73-1	1,3-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
106-46-7	1,4-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
135-98-8	sec-Butylbenzene(sim)	0.911	U	0.911	0.911	r
99-87-6	4-Isopropyltoluene(sim)	0.911	U	0.911	0.911	r
95-50-1	1,2-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
104-51-8	n-Butylbenzene(sim)	0.911	U	0.911	0.911	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.674	U	0.674	0.674	r
87-68-3	Hexachlorobutadiene(sim)	0.469	U	0.469	0.469	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_21.D
Acq On : 18 Dec 2025 4:01 am
Operator : Keith
Client ID : SS-2 5X
Lab ID : CU98126 5X
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 18 10:35:12 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

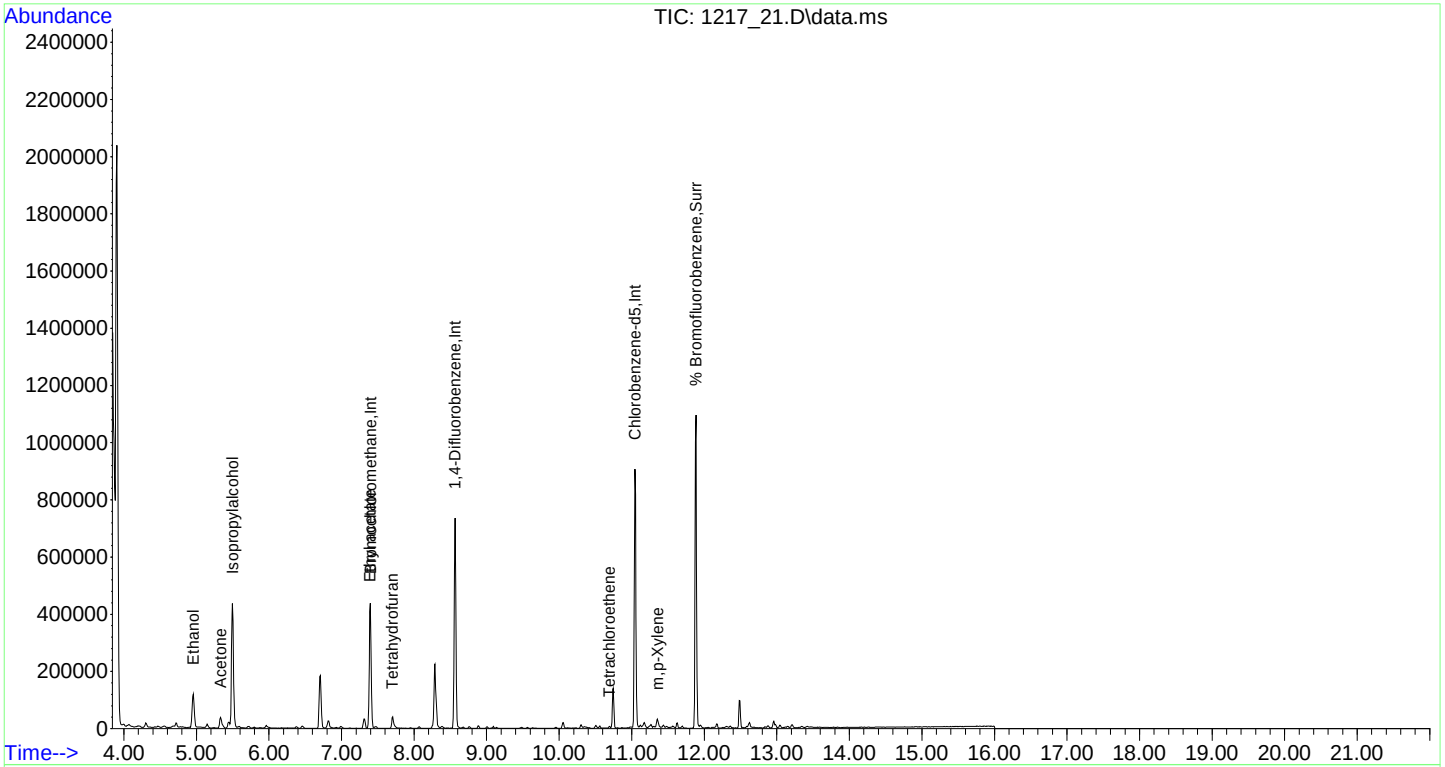
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.397	130	158992	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	548358	10.000	ng		0.00
53) Chlorobenzene-d5	11.043	82	247556	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	176346	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	548358	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.043	82	247556	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	319803	10.359	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.60%				
Target Compounds							Qvalue
11) Ethanol	4.957	45	141544	30.759	ppbv		94
12) Acetone	5.331	43	44348	2.008	ppbv		92
14) Isopropylalcohol	5.497	45	553870	21.122	ppbv#		98
29) Ethyl acetate	7.389	61	2851	0.501	ppbv#		59
30) Tetrahydrofuran	7.697	42	6676	0.447	ppbv#		85
52) Tetrachloroethene	10.689	166	1963	0.057	ppbv		94
57) m,p-Xylene	11.354	91	20686	0.387	ppbv		96
104] Tetrachloroethene(sim)	10.692	166	2241	0.055	ppbv		94
107] m,p-Xylene(sim)	11.354	91	20686	0.371	ppbv		96

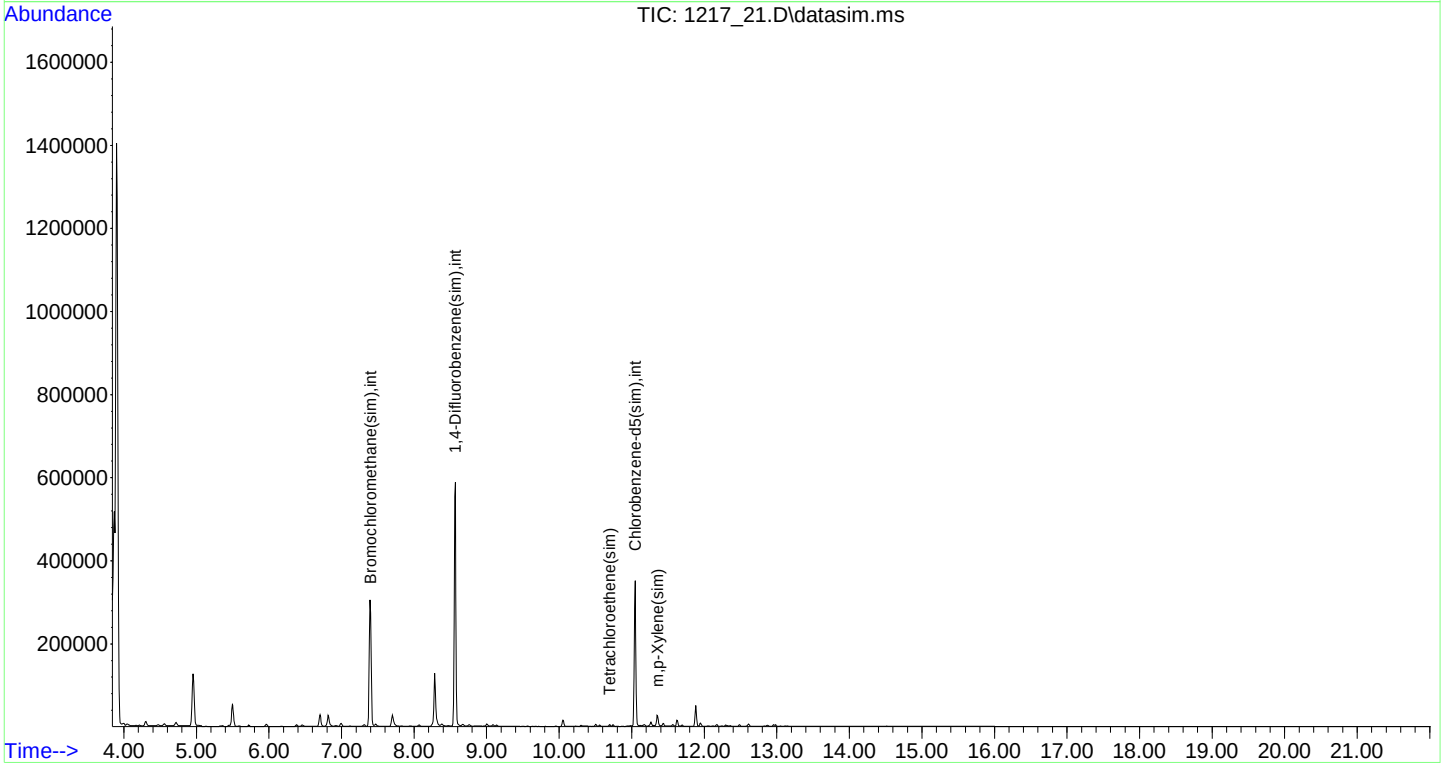
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

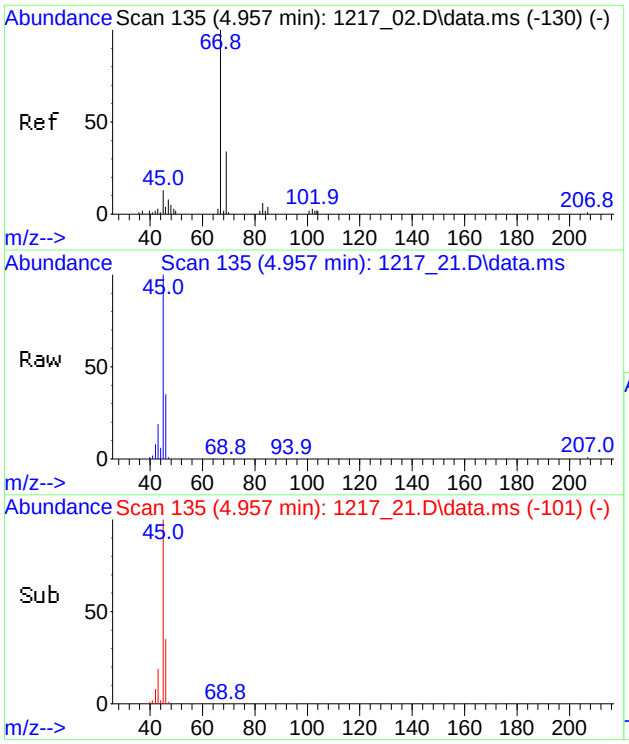
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_21.D
Acq On : 18 Dec 2025 4:01 am
Operator : Keith
Client ID : SS-2 5X
Lab ID : CU98126 5X
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 18 10:35:12 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration



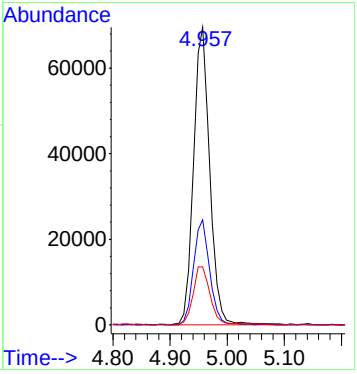


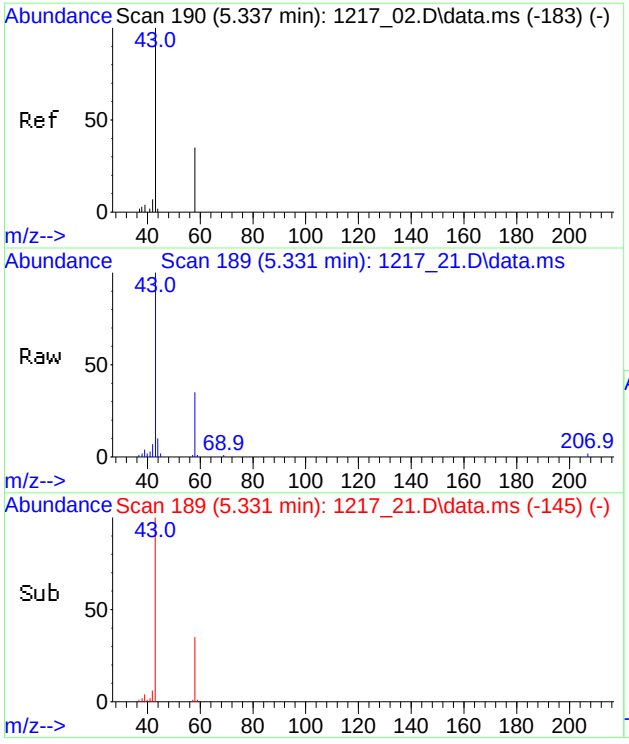


#11
Ethanol
Conc: 8$ 30.759 ppbv
RT: 4.957 min Scan# 135
Delta R.T. -0.017 min
Lab File: 1217_21.D
Acq: 18 Dec 2025 4:01 am

Tgt Ion: 45 Resp: 141544

Ion	Ratio	Lower	Upper
45	100		
46	34.1	25.0	37.6
43	21.8	20.0	30.0

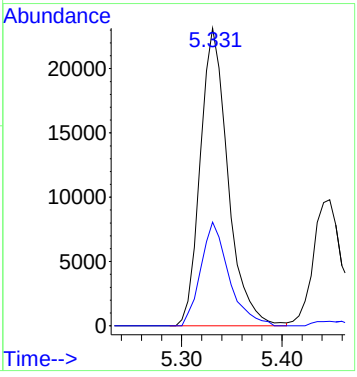


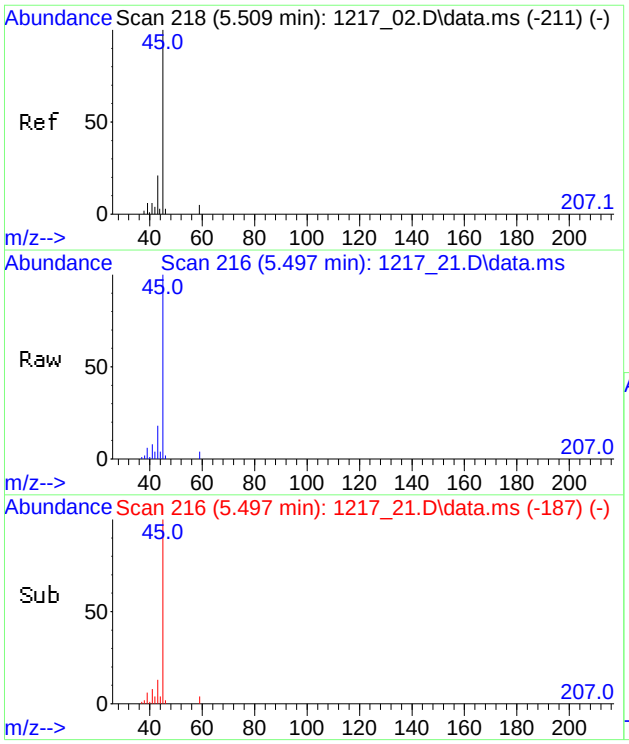


#12
Acetone
Conc: 8$ 2.008 ppbv
RT: 5.331 min Scan# 189
Delta R.T. -0.012 min
Lab File: 1217_21.D
Acq: 18 Dec 2025 4:01 am

Tgt Ion: 43 Resp: 44348

Ion	Ratio	Lower	Upper
43	100		
58	35.5	24.6	37.0

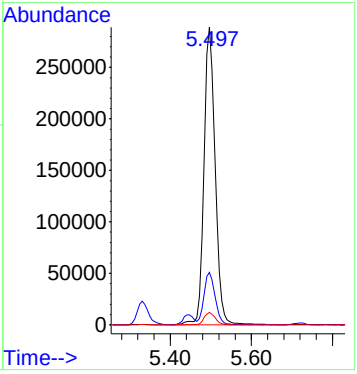


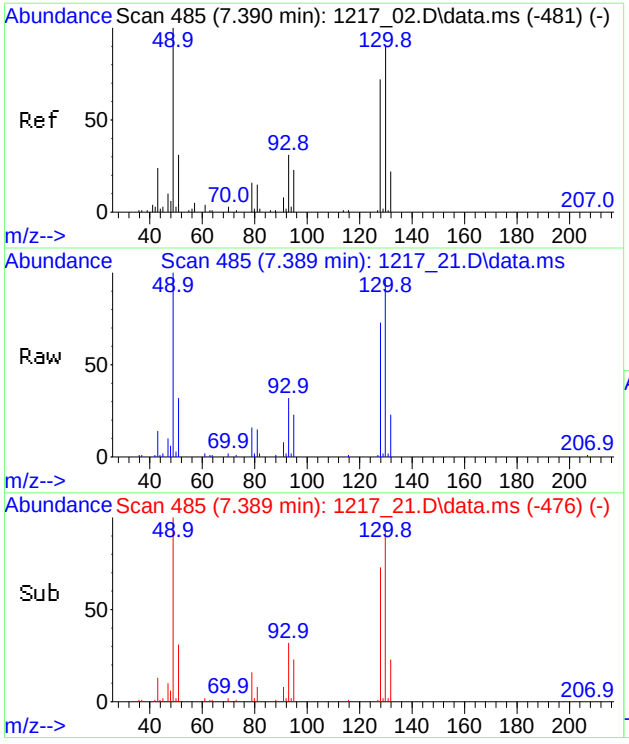


#14
Isopropylalcohol
Conc: 8$ 21.122 ppbv
RT: 5.497 min Scan# 216
Delta R.T. -0.024 min
Lab File: 1217_21.D
Acq: 18 Dec 2025 4:01 am

Tgt Ion: 45 Resp: 553870

Ion	Ratio	Lower	Upper
45	100		
43	17.3	13.3	19.9
59	4.2	2.6	4.0#

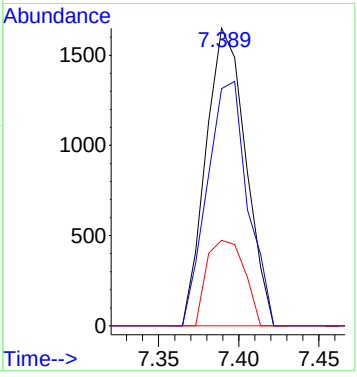


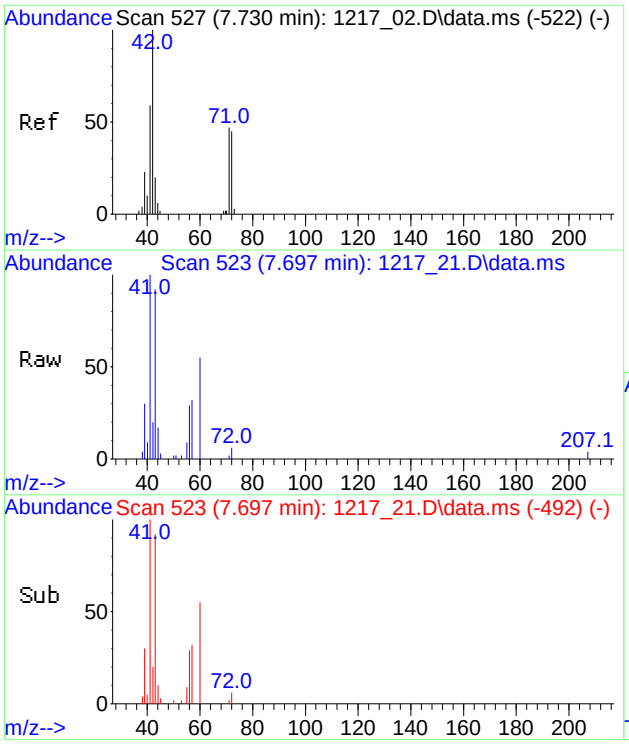


#29
Ethyl acetate
Conc: 8$ 0.501 ppbv
RT: 7.389 min Scan# 485
Delta R.T. -0.025 min
Lab File: 1217_21.D
Acq: 18 Dec 2025 4:01 am

Tgt Ion: 61 Resp: 2851

Ion	Ratio	Lower	Upper
61	100		
70	83.6	42.9	64.3#
88	27.2	10.0	15.0#

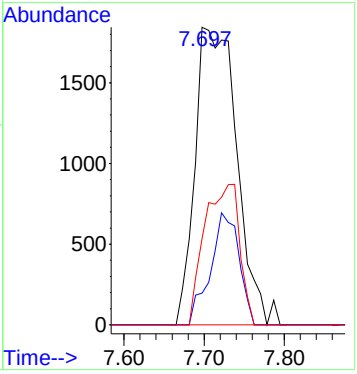


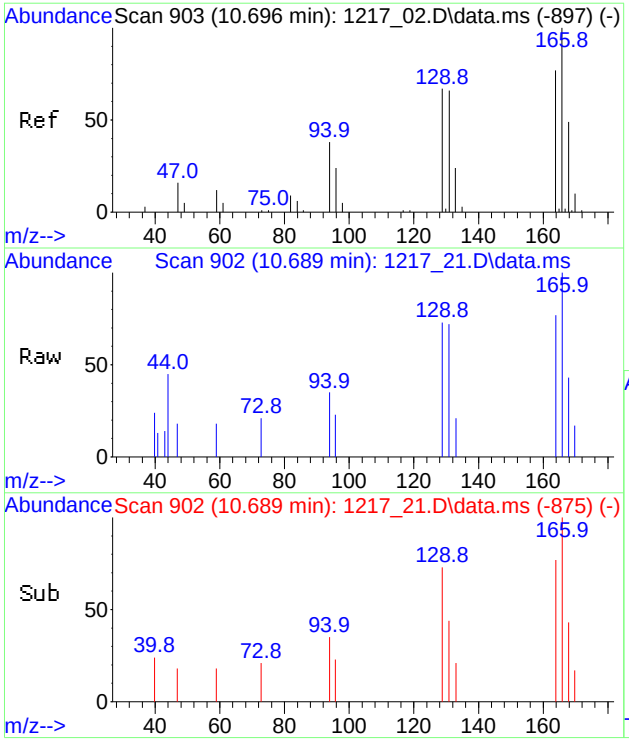


#30
Tetrahydrofuran
Conc: 8$ 0.447 ppbv
RT: 7.697 min Scan# 523
Delta R.T. -0.049 min
Lab File: 1217_21.D
Acq: 18 Dec 2025 4:01 am

Tgt Ion: 42 Resp: 6676

Ion	Ratio	Lower	Upper
42	100		
71	25.8	23.5	35.3
72	39.6	21.5	32.3#

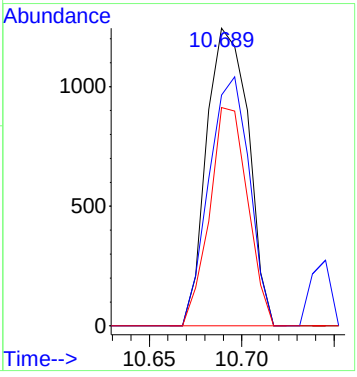


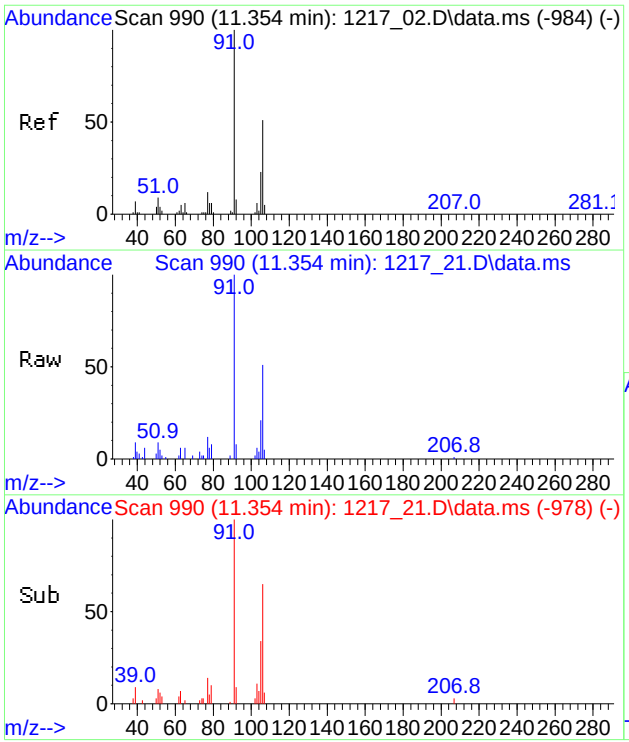


#52
Tetrachloroethene
Conc: 8$ Below Cal
RT: 10.689 min Scan# 902
Delta R.T. -0.007 min
Lab File: 1217_21.D
Acq: 18 Dec 2025 4:01 am

Tgt Ion:166 Resp: 1963

Ion	Ratio	Lower	Upper
166	100		
164	81.0	64.7	97.1
129	66.9	62.2	93.2

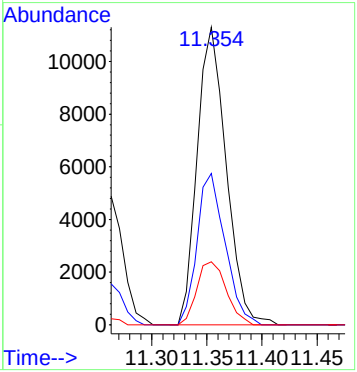


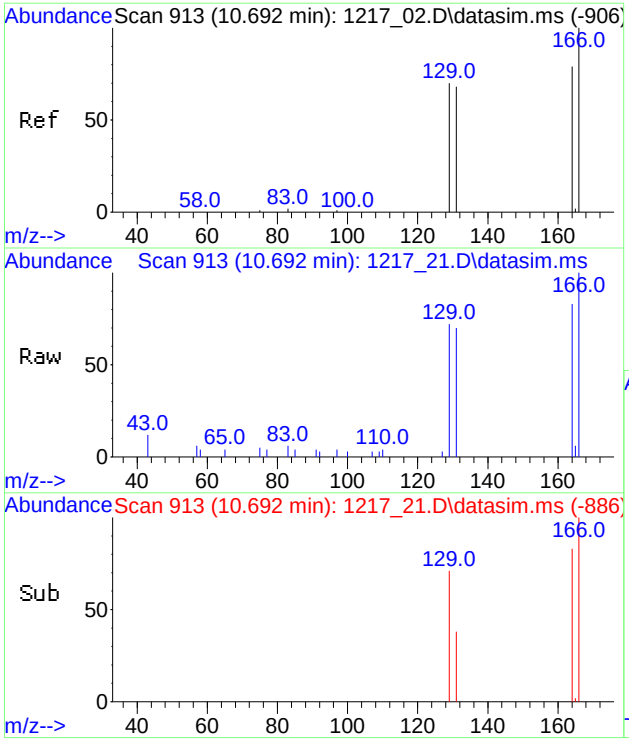


#57
m,p-Xylene
Conc: 8$ 0.387 ppbv
RT: 11.354 min Scan# 990
Delta R.T. -0.008 min
Lab File: 1217_21.D
Acq: 18 Dec 2025 4:01 am

Tgt Ion: 91 Resp: 20686

Ion	Ratio	Lower	Upper
91	100		
106	49.1	41.1	61.7
105	21.5	19.5	29.3

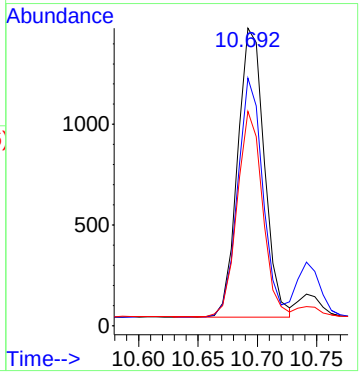


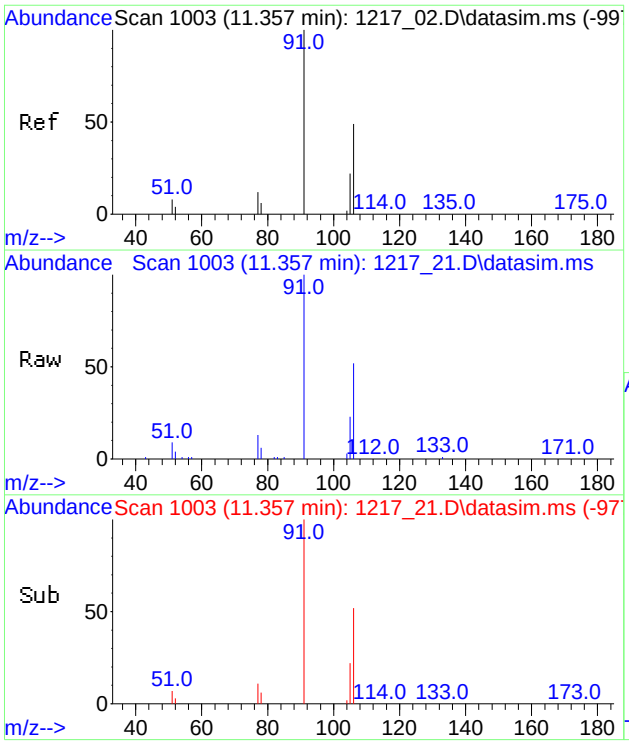


#104
Tetrachloroethene(sim)
Conc: 8$ 0.055 ppbv
RT: 10.692 min Scan# 913
Delta R.T. -0.007 min
Lab File: 1217_21.D
Acq: 18 Dec 2025 4:01 am

Tgt Ion:166 Resp: 2241

Ion	Ratio	Lower	Upper
166	100		
164	77.8	58.0	98.0
129	67.8	58.0	98.0

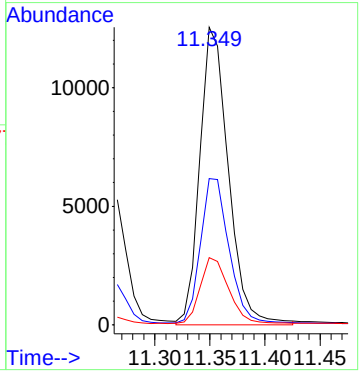




#107
m,p-Xylene(sim)
Conc: 8$ 0.371 ppbv
RT: 11.354 min Scan# 1003
Delta R.T. -0.008 min
Lab File: 1217_21.D
Acq: 18 Dec 2025 4:01 am

Tgt Ion: 91 Resp: 20686

Ion	Ratio	Lower	Upper
91	100		
106	49.1	46.3	56.5
105	21.5	19.5	29.3



Response Factor Report Chem24

Method Path : H:\AIR2025\CHEM24\Methods\
Method File : 24_AIR_1116.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Nov 17 10:17:34 2025
Response Via : Initial Calibration

Calibration Files (Note: Curves (l,lf,q,qf) display calculated conc and corr. coefficient.)
.035=1116_06.D 0.05=1116_07.D 0.10=1116_08.D 0.2 =1116_09.D 0.5 =1116_10.D 1.0 =1116_15.D 2.5 =1116_11.D 5.0 =1116_12.D
10 =1116_16.D 25 =1116_13.D 40 =1116_14.D 0.02=1116_05.D 0.01=1116_04.D

	Compound	.035	0.05	0.10	0.2	0.5	1.0	2.5	5.0	10	25	40	0.02	0.01	Avg	%RSD
1)	Int Bromochloromethane	----------ISTD----------														
2)	Propylene				0.876	0.747	0.658	0.657	0.643	0.639	0.679	0.680			0.697	11.43
3)	Dichlorodifluo...				2.782	2.668	2.532	2.639	2.617	2.627	2.787	2.743			2.674	3.34
4)	Chloromethane					0.899	0.824	0.818	0.795	0.779	0.816	0.816			0.821	4.60
5)	1,2-Dichlorote...				3.019	2.938	2.739	2.827	2.765	2.742	2.892	2.902			2.853	3.56
6)	Vinyl Chloride				1.137	1.081	0.970	0.981	0.964	0.948	0.993	0.997			1.009	6.48
7)	1,3-Butadiene				0.723	0.725	0.696	0.694	0.666	0.649	0.685	0.686			0.691	3.72
8)	Bromomethane				1.201	1.249	1.073	1.101	1.059	1.054	1.108	1.124			1.121	6.21
9)	Chloroethane				0.555	0.501	0.472	0.465	0.452	0.438	0.463	0.469			0.477	7.58
11)	Ethanol				0.465	0.346	0.294	0.268	0.238	0.234	0.250	0.221			0.289	28.08
12)	Acetone				1.666	1.462	1.360	1.350	1.248	1.294	1.363	1.372			1.389	9.21
13)	Trichlorofluor...				2.986	2.848	2.710	2.768	2.689	2.727	2.881	2.887			2.812	3.71
14)	Isopropylalcohol				1.688	1.606	1.651	1.604	1.670	1.654	1.710	1.610			1.649	2.42
15)	Acrylonitrile				0.633	0.593	0.577	0.572	0.543	0.550	0.595	0.587			0.581	4.89
16)	1,1-Dichloroet...				1.606	1.634	1.588	1.616	1.595	1.608	1.694	1.705			1.631	2.76
17)	Methylene Chlo...				1.443	1.298	1.146	1.172	1.112	1.093	1.156	1.167			1.198	9.69
20)	Carbon Disulfide				3.254	3.205	3.036	3.099	3.053	3.093	3.302	3.320			3.170	3.59
21)	Trichlorotrifl...				2.684	2.525	2.381	2.394	2.340	2.385	2.536	2.557			2.475	4.79
22)	Trans-1,2-Dich...				1.435	1.487	1.412	1.420	1.438	1.449	1.552	1.584			1.472	4.34
23)	1,1-Dichloroet...				2.066	2.002	1.896	1.896	1.853	1.884	2.002	1.994			1.949	3.90
24)	Methyl tert-bu...				2.690	2.595	2.697	2.644	2.581	2.796	3.003	3.016			2.753	6.24
25)	Methyl Ethyl K...				1.922	1.821	1.858	1.836	1.772	1.878	2.000	2.013			1.888	4.53
26)	Cis-1,2-Dichlo...				1.532	1.382	1.393	1.386	1.359	1.413	1.477	1.535			1.435	4.90
27)	Hexane				1.505	1.444	1.462	1.463	1.439	1.479	1.552	1.548			1.487	2.99
28)	Chloroform				2.591	2.478	2.364	2.382	2.309	2.346	2.474	2.529			2.434	4.06
29)	Ethyl acetate				0.379	0.361	0.335	0.351	0.334	0.363	0.368	0.372			0.358	4.68
30)	Tetrahydrofuran				0.918	0.925	0.936	0.892	0.893	0.943	0.993	1.018			0.940	4.77
31)	1,2-Dichloroet...				1.345	1.382	1.355	1.332	1.322	1.330	1.400	1.429			1.362	2.80
32)	1,1,1-Trichlor...				2.506	2.438	2.303	2.312	2.252	2.318	2.410	2.506			2.381	4.10
33)	Benzene			3.593	3.385	3.319	3.235	3.180	3.188	3.270	3.435	3.419			3.336	4.05
34)	Carbon Tetrach...				2.442	2.484	2.353	2.421	2.374	2.478	2.621	2.674			2.481	4.57
35)	Cyclohexane				1.726	1.510	1.399	1.359	1.327	1.353	1.404	1.420			1.437	8.99
36)	Int 1,4-Difluorobenzene	----------ISTD----------														
37)	1,2-dichloropr...				0.344	0.341	0.324	0.344	0.326	0.336	0.354	0.360			0.341	3.70
38)	Bromodichlorom...				0.730	0.736	0.703	0.723	0.696	0.730	0.783	0.773			0.734	4.14
39)	Trichloroethene				0.484	0.476	0.463	0.472	0.452	0.472	0.512	0.507			0.480	4.29
40)	2,2,4-trimethy...				1.308	1.306	1.373	1.422	1.363	1.402	1.453	1.348			1.372	3.81
41)	1,4-Dioxane				0.154	0.158	0.218	0.199	0.209	0.212	0.217	0.201			0.196	13.04
43)	Heptane				0.454	0.465	0.447	0.473	0.464	0.477	0.500	0.505			0.473	4.29

Method Path : H:\AIR2025\CHEM24\Methods\
Method File : 24_AIR_1116.M
Title : VOA Standards for 5 point calibration

44)		cis-1,3-Dichlo...			0.675	0.623	0.624	0.647	0.613	0.656	0.706	0.713			0.657	5.77
45)		4-Methyl-2-pen...			0.566	0.605	0.705	0.676	0.696	0.713	0.722	0.709			0.674	8.50
46)		trans-1,3-Dich...			0.399	0.408	0.437	0.425	0.426	0.459	0.492	0.512			0.445	8.99
47)		1,1,2-Trichlor...			0.413	0.411	0.393	0.411	0.386	0.408	0.435	0.444			0.413	4.69
48)		Toluene			1.032	1.045	1.072	1.082	1.058	1.124	1.187	1.176			1.097	5.38
49)		Dibromochlorom...			0.778	0.753	0.781	0.792	0.763	0.813	0.875	0.892			0.806	6.37
50)	qf	2-Hexanone(MBK)			0.078	0.264	0.840	2.253	4.801	9.884	25.25	39.92			Coef R2	1.00
51)		1,2-Dibromoeth...			0.687	0.667	0.676	0.691	0.670	0.706	0.749	0.762			0.701	5.17
52)		Tetrachloroethene			0.641	0.625	0.616	0.620	0.596	0.615	0.655	0.678			0.631	4.13
53)	Int	Chlorobenzene-d5	----------ISTD----------													
54)		1,1,1,2-Tetrac...			1.294	1.241	1.188	1.173	1.108	1.124	1.109	1.049			1.161	6.86
55)		Chlorobenzene			2.230	2.099	2.028	1.990	1.916	1.932	1.925	1.778			1.987	6.82
56)		Ethylbenzene		2.914	2.805	2.854	2.977	2.978	2.951	3.059	2.896	2.563			2.889	4.95
57)		m,p-Xylene		2.131	2.041	2.202	1.865	2.402	2.320	2.420	2.186	1.869			2.160	9.56
58)		Bromoform			1.664	1.709	1.766	1.717	1.700	1.816	1.794	1.727			1.736	2.94
59)		Styrene			1.362	1.444	1.656	1.652	1.677	1.821	1.777	1.670			1.632	9.53
60)		1,1,2,2-Tetrac...			2.030	2.003	2.097	2.008	1.961	1.974	1.852	1.691			1.952	6.47
61)		o-Xylene		2.338	2.262	2.330	2.462	2.438	2.364	2.442	2.322	2.089			2.339	4.90
62)	Surr%	Bromofluorob...			1.256	1.296	1.293	1.295	1.301	1.277	1.171	1.088			1.247	6.20
64)		Isopropylbenzene			3.425	3.429	3.373	3.515	3.310	3.492	3.160	2.766			3.309	7.45
66)		4-Ethyltoluene			2.769	3.106	3.288	3.382	3.312	3.673	3.344	2.887			3.220	9.00
67)		1,3,5-Trimethy...			2.539	2.575	2.903	2.927	2.813	2.682	2.492	2.254			2.648	8.66
68)		1,2,4-Trimethy...			2.268	2.607	2.846	2.871	2.859	2.964	2.697	2.320			2.679	9.79
70)		Benzyl chloride			0.983	1.275	1.919	1.793	2.002	2.316	2.308				1.799	27.99
71)		1,3-Dichlorobe...			1.463	1.743	2.043	2.005	2.009	2.094	2.022	1.858			1.905	11.10
72)		1,4-Dichlorobe...			1.365	1.570	1.887	1.847	1.829	1.985	1.936	1.782			1.775	11.67
73)		sec-Butylbenzene			3.725	4.159	4.405	4.413	4.359	4.503	3.840	3.080			4.060	11.99
74)		4-Isopropyltol...			3.241	3.653	4.013	3.947	3.957	4.024	3.641	3.063			3.692	9.99
75)		1,2-Dichlorobe...			1.710	1.802	2.088	1.920	1.860	1.955	1.873	1.758			1.871	6.39
76)		n-Butylbenzene			2.209	2.619	3.246	3.142	3.392	3.426	3.142	2.686			2.983	14.46
77)	qf	1,2,4-Trichlor...			0.066	0.190	1.226	1.658	4.400	9.625	25.70	39.78			Coef R2	1.00
78)	qf	Naphthalene			0.074	0.203	1.105	1.844	4.461	9.584	25.87	39.66			Coef R2	1.00
79)		Hexachlorobuta...			1.691	1.658	1.812	1.675	1.619	1.598	1.537	1.485			1.634	6.13
80)	int	Bromochloromethane...	----------ISTD----------													
81)		1,2-Dichlorote...	2.394	2.533	2.842	2.706	2.635	2.480	2.537	2.482			2.315	2.749	2.567	6.40
82)		Vinyl Chloride...	0.929	0.963	1.088	1.020	0.983	0.938	0.945	0.932			1.017	0.923	0.974	5.48
83)		Bromomethane(sim)	1.164	1.116	1.182	1.076	1.120	0.971	0.990	0.952			1.053	1.082	1.071	7.41
84)		Trichlorofluor...	2.683	2.671	3.064	2.887	2.802	2.733	2.776	2.751			2.637	2.727	2.773	4.49
85)		1,2-Dichloroet...	1.362	1.362	1.360	1.206	1.240	1.227	1.198	1.188			1.287	1.306	1.274	5.57
86)		1,1,1-Trichlor...	2.210	2.252	2.536	2.418	2.377	2.324	2.345	2.310			2.179	2.233	2.318	4.65
87)		Benzene(sim)	3.694	3.180	3.219	3.034	2.977	2.929	2.858						3.127	9.00
88)		Carbon Tetrach...	2.076	2.191	2.502	2.431	2.451	2.403	2.457				2.103	1.997	2.290	8.56
89)		1,1-Dichloroet...	1.605	1.579	1.555	1.440	1.465	1.438	1.452	1.433			1.537	1.561	1.507	4.45
90)		Trichlorotrifl...	2.245	2.303	2.671	2.528	2.461	2.394	2.425	2.375			2.253	2.468	2.412	5.40
91)		Trans-1,2-Dich...			1.360	1.287	1.333	1.278	1.276	1.292					1.304	2.62
92)		1,1-Dichloroet...	1.760	1.862	2.066	1.976	1.930	1.847	1.891	1.865			1.721	1.876	1.879	5.26
93)		Cis-1,2-Dichlo...	1.330	1.319	1.423	1.373	1.240	1.261	1.246	1.221			1.372	1.394	1.318	5.48
94)		Chloroform(sim)	2.455	2.429	2.724	2.530	2.436	2.353	2.377	2.326			2.728	3.209	2.557	10.53

Method Path : H:\AIR2025\CHEM24\Methods\
Method File : 24_AIR_1116.M
Title : VOA Standards for 5 point calibration

95)	int	1,4-Difluorobenzen...	----------ISTD----------												
96)		1,2-dichloropr...	0.380	0.371	0.418	0.394	0.376	0.361	0.373	0.361	0.387	0.384	0.380	4.43
97)		Bromodichlorom...	0.649	0.696	0.829	0.730	0.736	0.703	0.723	0.696	0.754	0.783	0.730	6.89
98)		Trichloroethen...	0.746	0.740	0.570	0.533	0.520	0.521	0.534	0.513	0.720	0.757	0.616	17.75
99)		1,4-Dioxane(sim)			0.164	0.154	0.158	0.218	0.199	0.209			0.184	15.32
100)		cis-1,3-Dichlo...	0.552	0.591	0.666	0.629	0.620	0.637	0.665		0.576	0.617	0.617	6.24
101)		1,1,2-Trichlor...	0.421	0.433	0.437	0.413	0.411	0.393	0.411	0.386	0.421	0.471	0.420	5.72
102)		Dibromochlorom...	0.761	0.760	0.906	0.852	0.832	0.846	0.880		0.753	0.881	0.830	7.02
103)		1,2-Dibromoeth...	0.652	0.680	0.705	0.687	0.667	0.676	0.691	0.670	0.593	0.706	0.673	4.82
104)		Tetrachloroeth...	0.771	0.805	0.759	0.723	0.699	0.680	0.706	0.681	0.785	0.838	0.742	7.13
										0.716				
105)	int	Chlorobenzene-d5(sim)	----------ISTD----------												
106)		Bromoform(sim)	1.597	1.621	1.893	1.812	1.836	1.948	1.883		1.585	1.987	1.796	8.66
107)		m,p-Xylene(sim)	2.012	2.132	2.129	2.127	2.249	2.361	2.415	2.326	2.299	2.482	2.253	6.64
108)		1,1,2,2-Tetrac...	1.879	1.917	2.238	2.153	2.193	2.266	2.220	2.168	1.845	2.264	2.114	7.87
109)	qf	Benzyl chlorid...	0.010	0.020	0.049	0.118	0.378	1.113	2.488				Coef R2	0.99
110)	qf	1,3-Dichlorobe...	0.017	0.030	0.070	0.147	0.448	1.056	2.494				Coef R2	1.00
111)	qf	1,4-Dichlorobe...	0.025	0.035	0.069	0.157	0.447	1.054	2.494		0.014		Coef R2	1.00
112)		sec-Butylbenze...	3.081	3.221	4.016	4.085	4.552	4.885	4.979	4.966	3.093	3.435	4.031	19.51
113)		4-Isopropyltol...			3.177	3.240	3.653	4.013	3.960	3.965			3.668	10.32
114)		1,2-Dichlorobe...	1.406	1.583	1.889	1.903	2.004	2.400	2.229	2.209	1.516		1.904	18.16
115)	qf	n-Butylbenzene...		0.024	0.063	0.148	0.436	1.065	2.493				Coef R2	1.00
116)	qf	1,2,4-Trichlor...	0.185	0.196	0.230	0.312	0.453	1.004					Coef R2	0.99
118)		Hexachlorobuta...	1.854	1.766	1.961	1.915	1.954	2.103	1.999		2.179	2.853	2.065	15.51

(#,$,@)=Out of Range l=linear lf=linear(0,0) q=Quadratic qf=Quadratic(0,0)

Response Factor Report Chem24

Method Path : H:\AIR2025\CHEM24\Methods\
Method File : 24_AIR_1116.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Nov 17 10:17:34 2025
Response Via : Initial Calibration

Calibration Files (Note: Curves (l,lf,q,qf) display calculated conc and corr. coefficient.)
.035=1116_06.D 0.05=1116_07.D 0.10=1116_08.D 0.2 =1116_09.D 0.5 =1116_10.D 1.0 =1116_15.D 2.5 =1116_11.D 5.0 =1116_12.D
10 =1116_16.D 25 =1116_13.D 40 =1116_14.D 0.02=1116_05.D 0.01=1116_04.D

	Compound	.035	0.05	0.10	0.2	0.5	1.0	2.5	5.0	10	25	40	0.02	0.01	Avg	%RSD
1)	Int Bromochloromethane	----------ISTD----------														
2)	Propylene				0.876	0.747	0.658	0.657	0.643	0.639	0.679	0.680			0.697	11.43
3)	Dichlorodifluo...				2.782	2.668	2.532	2.639	2.617	2.627	2.787	2.743			2.674	3.34
4)	Chloromethane					0.899	0.824	0.818	0.795	0.779	0.816	0.816			0.821	4.60
5)	1,2-Dichlorote...				3.019	2.938	2.739	2.827	2.765	2.742	2.892	2.902			2.853	3.56
6)	Vinyl Chloride				1.137	1.081	0.970	0.981	0.964	0.948	0.993	0.997			1.009	6.48
7)	1,3-Butadiene				0.723	0.725	0.696	0.694	0.666	0.649	0.685	0.686			0.691	3.72
8)	Bromomethane				1.201	1.249	1.073	1.101	1.059	1.054	1.108	1.124			1.121	6.21
9)	Chloroethane				0.555	0.501	0.472	0.465	0.452	0.438	0.463	0.469			0.477	7.58
11)	Ethanol				0.465	0.346	0.294	0.268	0.238	0.234	0.250	0.221			0.289	28.08
12)	Acetone				1.666	1.462	1.360	1.350	1.248	1.294	1.363	1.372			1.389	9.21
13)	Trichlorofluor...				2.986	2.848	2.710	2.768	2.689	2.727	2.881	2.887			2.812	3.71
14)	Isopropylalcohol				1.688	1.606	1.651	1.604	1.670	1.654	1.710	1.610			1.649	2.42
15)	Acrylonitrile				0.633	0.593	0.577	0.572	0.543	0.550	0.595	0.587			0.581	4.89
16)	1,1-Dichloroet...				1.606	1.634	1.588	1.616	1.595	1.608	1.694	1.705			1.631	2.76
17)	Methylene Chlo...				1.443	1.298	1.146	1.172	1.112	1.093	1.156	1.167			1.198	9.69
20)	Carbon Disulfide				3.254	3.205	3.036	3.099	3.053	3.093	3.302	3.320			3.170	3.59
21)	Trichlorotrifl...				2.684	2.525	2.381	2.394	2.340	2.385	2.536	2.557			2.475	4.79
22)	Trans-1,2-Dich...				1.435	1.487	1.412	1.420	1.438	1.449	1.552	1.584			1.472	4.34
23)	1,1-Dichloroet...				2.066	2.002	1.896	1.896	1.853	1.884	2.002	1.994			1.949	3.90
24)	Methyl tert-bu...				2.690	2.595	2.697	2.644	2.581	2.796	3.003	3.016			2.753	6.24
25)	Methyl Ethyl K...				1.922	1.821	1.858	1.836	1.772	1.878	2.000	2.013			1.888	4.53
26)	Cis-1,2-Dichlo...				1.532	1.382	1.393	1.386	1.359	1.413	1.477	1.535			1.435	4.90
27)	Hexane				1.505	1.444	1.462	1.463	1.439	1.479	1.552	1.548			1.487	2.99
28)	Chloroform				2.591	2.478	2.364	2.382	2.309	2.346	2.474	2.529			2.434	4.06
29)	Ethyl acetate				0.379	0.361	0.335	0.351	0.334	0.363	0.368	0.372			0.358	4.68
30)	Tetrahydrofuran				0.918	0.925	0.936	0.892	0.893	0.943	0.993	1.018			0.940	4.77
31)	1,2-Dichloroet...				1.345	1.382	1.355	1.332	1.322	1.330	1.400	1.429			1.362	2.80
32)	1,1,1-Trichlor...				2.506	2.438	2.303	2.312	2.252	2.318	2.410	2.506			2.381	4.10
33)	Benzene			3.593	3.385	3.319	3.235	3.180	3.188	3.270	3.435	3.419			3.336	4.05
34)	Carbon Tetrach...				2.442	2.484	2.353	2.421	2.374	2.478	2.621	2.674			2.481	4.57
35)	Cyclohexane				1.726	1.510	1.399	1.359	1.327	1.353	1.404	1.420			1.437	8.99
36)	Int 1,4-Difluorobenzene	----------ISTD----------														
37)	1,2-dichloropr...				0.344	0.341	0.324	0.344	0.326	0.336	0.354	0.360			0.341	3.70
38)	Bromodichlorom...				0.730	0.736	0.703	0.723	0.696	0.730	0.783	0.773			0.734	4.14
39)	Trichloroethene				0.484	0.476	0.463	0.472	0.452	0.472	0.512	0.507			0.480	4.29
40)	2,2,4-trimethy...				1.308	1.306	1.373	1.422	1.363	1.402	1.453	1.348			1.372	3.81
41)	1,4-Dioxane				0.154	0.158	0.218	0.199	0.209	0.212	0.217	0.201			0.196	13.04
43)	Heptane				0.454	0.465	0.447	0.473	0.464	0.477	0.500	0.505			0.473	4.29

Method Path : H:\AIR2025\CHEM24\Methods\
Method File : 24_AIR_1116.M
Title : VOA Standards for 5 point calibration

44)		cis-1,3-Dichlo...			0.675	0.623	0.624	0.647	0.613	0.656	0.706	0.713			0.657	5.77
45)		4-Methyl-2-pen...			0.566	0.605	0.705	0.676	0.696	0.713	0.722	0.709			0.674	8.50
46)		trans-1,3-Dich...			0.399	0.408	0.437	0.425	0.426	0.459	0.492	0.512			0.445	8.99
47)		1,1,2-Trichlor...			0.413	0.411	0.393	0.411	0.386	0.408	0.435	0.444			0.413	4.69
48)		Toluene			1.032	1.045	1.072	1.082	1.058	1.124	1.187	1.176			1.097	5.38
49)		Dibromochlorom...			0.778	0.753	0.781	0.792	0.763	0.813	0.875	0.892			0.806	6.37
50)	qf	2-Hexanone(MBK)			0.078	0.264	0.840	2.253	4.801	9.884	25.25	39.92			Coef R2	1.00
51)		1,2-Dibromoeth...			0.687	0.667	0.676	0.691	0.670	0.706	0.749	0.762			0.701	5.17
52)		Tetrachloroethene			0.641	0.625	0.616	0.620	0.596	0.615	0.655	0.678			0.631	4.13
53)	Int	Chlorobenzene-d5	----------ISTD----------													
54)		1,1,1,2-Tetrac...			1.294	1.241	1.188	1.173	1.108	1.124	1.109	1.049			1.161	6.86
55)		Chlorobenzene			2.230	2.099	2.028	1.990	1.916	1.932	1.925	1.778			1.987	6.82
56)		Ethylbenzene		2.914	2.805	2.854	2.977	2.978	2.951	3.059	2.896	2.563			2.889	4.95
57)		m,p-Xylene		2.131	2.041	2.202	1.865	2.402	2.320	2.420	2.186	1.869			2.160	9.56
58)		Bromoform			1.664	1.709	1.766	1.717	1.700	1.816	1.794	1.727			1.736	2.94
59)		Styrene			1.362	1.444	1.656	1.652	1.677	1.821	1.777	1.670			1.632	9.53
60)		1,1,2,2-Tetrac...			2.030	2.003	2.097	2.008	1.961	1.974	1.852	1.691			1.952	6.47
61)		o-Xylene		2.338	2.262	2.330	2.462	2.438	2.364	2.442	2.322	2.089			2.339	4.90
62)	Surr%	Bromofluorob...			1.256	1.296	1.293	1.295	1.301	1.277	1.171	1.088			1.247	6.20
64)		Isopropylbenzene			3.425	3.429	3.373	3.515	3.310	3.492	3.160	2.766			3.309	7.45
66)		4-Ethyltoluene			2.769	3.106	3.288	3.382	3.312	3.673	3.344	2.887			3.220	9.00
67)		1,3,5-Trimethy...			2.539	2.575	2.903	2.927	2.813	2.682	2.492	2.254			2.648	8.66
68)		1,2,4-Trimethy...			2.268	2.607	2.846	2.871	2.859	2.964	2.697	2.320			2.679	9.79
70)		Benzyl chloride			0.983	1.275	1.919	1.793	2.002	2.316	2.308				1.799	27.99
71)		1,3-Dichlorobe...			1.463	1.743	2.043	2.005	2.009	2.094	2.022	1.858			1.905	11.10
72)		1,4-Dichlorobe...			1.365	1.570	1.887	1.847	1.829	1.985	1.936	1.782			1.775	11.67
73)		sec-Butylbenzene			3.725	4.159	4.405	4.413	4.359	4.503	3.840	3.080			4.060	11.99
74)		4-Isopropyltol...			3.241	3.653	4.013	3.947	3.957	4.024	3.641	3.063			3.692	9.99
75)		1,2-Dichlorobe...			1.710	1.802	2.088	1.920	1.860	1.955	1.873	1.758			1.871	6.39
76)		n-Butylbenzene			2.209	2.619	3.246	3.142	3.392	3.426	3.142	2.686			2.983	14.46
77)	qf	1,2,4-Trichlor...			0.066	0.190	1.226	1.658	4.400	9.625	25.70	39.78			Coef R2	1.00
78)	qf	Naphthalene			0.074	0.203	1.105	1.844	4.461	9.584	25.87	39.66			Coef R2	1.00
79)		Hexachlorobuta...			1.691	1.658	1.812	1.675	1.619	1.598	1.537	1.485			1.634	6.13
80)	int	Bromochloromethane...	----------ISTD----------													
81)		1,2-Dichlorote...	2.394	2.533	2.842	2.706	2.635	2.480	2.537	2.482			2.315	2.749	2.567	6.40
82)		Vinyl Chloride...	0.929	0.963	1.088	1.020	0.983	0.938	0.945	0.932			1.017	0.923	0.974	5.48
83)		Bromomethane(sim)	1.164	1.116	1.182	1.076	1.120	0.971	0.990	0.952			1.053	1.082	1.071	7.41
84)		Trichlorofluor...	2.683	2.671	3.064	2.887	2.802	2.733	2.776	2.751			2.637	2.727	2.773	4.49
85)		1,2-Dichloroet...	1.362	1.362	1.360	1.206	1.240	1.227	1.198	1.188			1.287	1.306	1.274	5.57
86)		1,1,1-Trichlor...	2.210	2.252	2.536	2.418	2.377	2.324	2.345	2.310			2.179	2.233	2.318	4.65
87)		Benzene(sim)	3.694	3.180	3.219	3.034	2.977	2.929	2.858						3.127	9.00
88)		Carbon Tetrach...	2.076	2.191	2.502	2.431	2.451	2.403	2.457				2.103	1.997	2.290	8.56
89)		1,1-Dichloroet...	1.605	1.579	1.555	1.440	1.465	1.438	1.452	1.433			1.537	1.561	1.507	4.45
90)		Trichlorotrifl...	2.245	2.303	2.671	2.528	2.461	2.394	2.425	2.375			2.253	2.468	2.412	5.40
91)		Trans-1,2-Dich...			1.360	1.287	1.333	1.278	1.276	1.292					1.304	2.62
92)		1,1-Dichloroet...	1.760	1.862	2.066	1.976	1.930	1.847	1.891	1.865			1.721	1.876	1.879	5.26
93)		Cis-1,2-Dichlo...	1.330	1.319	1.423	1.373	1.240	1.261	1.246	1.221			1.372	1.394	1.318	5.48
94)		Chloroform(sim)	2.455	2.429	2.724	2.530	2.436	2.353	2.377	2.326			2.728	3.209	2.557	10.53

Response Factor Report Chem24

Method Path : H:\AIR2025\CHEM24\Methods\
Method File : 24_AIR_1116.M
Title : VOA Standards for 5 point calibration

95)	int	1,4-Difluorobenzen...	----------ISTD----------												
96)		1,2-dichloropr...	0.380	0.371	0.418	0.394	0.376	0.361	0.373	0.361	0.387	0.384	0.380	4.43
97)		Bromodichlorom...	0.649	0.696	0.829	0.730	0.736	0.703	0.723	0.696	0.754	0.783	0.730	6.89
98)		Trichloroethen...	0.746	0.740	0.570	0.533	0.520	0.521	0.534	0.513	0.720	0.757	0.616	17.75
99)		1,4-Dioxane(sim)			0.164	0.154	0.158	0.218	0.199	0.209			0.184	15.32
100)		cis-1,3-Dichlo...	0.552	0.591	0.666	0.629	0.620	0.637	0.665		0.576	0.617	0.617	6.24
101)		1,1,2-Trichlor...	0.421	0.433	0.437	0.413	0.411	0.393	0.411	0.386	0.421	0.471	0.420	5.72
102)		Dibromochlorom...	0.761	0.760	0.906	0.852	0.832	0.846	0.880		0.753	0.881	0.830	7.02
103)		1,2-Dibromoeth...	0.652	0.680	0.705	0.687	0.667	0.676	0.691	0.670	0.593	0.706	0.673	4.82
104)		Tetrachloroeth...	0.771	0.805	0.759	0.723	0.699	0.680	0.706	0.681 0.716	0.785	0.838	0.742	7.13
105)	int	Chlorobenzene-d5(sim)	----------ISTD----------												
106)		Bromoform(sim)	1.597	1.621	1.893	1.812	1.836	1.948	1.883		1.585	1.987	1.796	8.66
107)		m,p-Xylene(sim)	2.012	2.132	2.129	2.127	2.249	2.361	2.415	2.326	2.299	2.482	2.253	6.64
108)		1,1,2,2-Tetrac...	1.879	1.917	2.238	2.153	2.193	2.266	2.220	2.168	1.845	2.264	2.114	7.87
109)	qf	Benzyl chlorid...	0.010	0.020	0.049	0.118	0.378	1.113	2.488				Coef R2	0.99
110)	qf	1,3-Dichlorobe...	0.017	0.030	0.070	0.147	0.448	1.056	2.494				Coef R2	1.00
111)	qf	1,4-Dichlorobe...	0.025	0.035	0.069	0.157	0.447	1.054	2.494		0.014		Coef R2	1.00
112)		sec-Butylbenze...	3.081	3.221	4.016	4.085	4.552	4.885	4.979	4.966	3.093	3.435	4.031	19.51
113)		4-Isopropyltol...			3.177	3.240	3.653	4.013	3.960	3.965			3.668	10.32
114)		1,2-Dichlorobe...	1.406	1.583	1.889	1.903	2.004	2.400	2.229	2.209	1.516		1.904	18.16
115)	qf	n-Butylbenzene...		0.024	0.063	0.148	0.436	1.065	2.493				Coef R2	1.00
116)	qf	1,2,4-Trichlor...	0.185	0.196	0.230	0.312	0.453	1.004					Coef R2	0.99
118)		Hexachlorobuta...	1.854	1.766	1.961	1.915	1.954	2.103	1.999		2.179	2.853	2.065	15.51

(#,$,@)=Out of Range l=linear lf=linear(0,0) q=Quadratic qf=Quadratic(0,0)

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs | Client: IMPACT-ICL

Lab Code: Phoenix | SDG No.: GCU98124

Instrument ID: CHEM24 | Calibration Date From: 11/16/25 17:35

Heated Purge (Y/N): Y | Calibration Date Thru: 11/16/25 21:58

GC Column: | Method File: 24_AIR_1116.M

Laboratory File Ids

RRF1 1116_04.D RRF2 1116_05.D RRF3 1116_06.D RRF4 1116_07.D RRF5 1116_08.D RRF6 1116_09.D
RRF7 1116_10.D RRF8 1116_15.D RRF9 1116_11.D RRF10 1116_12.D RRF11 1116_16.D RRF12 1116_13.D
RRF13 1116_14.D

COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
Propylene						0.876	0.747	0.658	0.657	0.643	0.639	0.679	0.680	0.697	11.43
Dichlorodifluoromethane						2.782	2.668	2.532	2.639	2.617	2.627	2.787	2.743	2.674	3.34
Chloromethane							0.899	0.824	0.818	0.795	0.779	0.816	0.816	0.821	4.60
1,2-Dichlorotetrafluoroethane						3.019	2.938	2.739	2.827	2.765	2.742	2.892	2.902	2.853	3.56
Vinyl Chloride						1.137	1.081	0.970	0.981	0.964	0.948	0.993	0.997	1.009	6.48
1,3-Butadiene						0.723	0.725	0.696	0.694	0.666	0.649	0.685	0.686	0.691	3.72
Bromomethane						1.201	1.249	1.073	1.101	1.059	1.054	1.108	1.124	1.121	6.21
Chloroethane						0.555	0.501	0.472	0.465	0.452	0.438	0.463	0.469	0.477	7.58
Ethanol						0.465	0.346	0.294	0.268	0.238	0.234	0.250	0.221	0.289	28.08
Acetone						1.666	1.462	1.360	1.350	1.248	1.294	1.363	1.372	1.389	9.21
Trichlorofluoromethane						2.986	2.848	2.710	2.768	2.689	2.727	2.881	2.887	2.812	3.71
Isopropylalcohol						1.688	1.606	1.651	1.604	1.670	1.654	1.710	1.610	1.649	2.42
Acrylonitrile						0.633	0.593	0.577	0.572	0.543	0.550	0.595	0.587	0.581	4.89
1,1-Dichloroethene						1.606	1.634	1.588	1.616	1.595	1.608	1.694	1.705	1.631	2.76
Methylene Chloride						1.443	1.298	1.146	1.172	1.112	1.093	1.156	1.167	1.198	9.69
Carbon Disulfide						3.254	3.205	3.036	3.099	3.053	3.093	3.302	3.320	3.170	3.59
Trichlorotrifluoroethane						2.684	2.525	2.381	2.394	2.340	2.385	2.536	2.557	2.475	4.79
Trans-1,2-Dichloroethene						1.435	1.487	1.412	1.420	1.438	1.449	1.552	1.584	1.472	4.34
1,1-Dichloroethane						2.066	2.002	1.896	1.896	1.853	1.884	2.002	1.994	1.949	3.90
Methyl tert-butyl ether(MTBE)						2.690	2.595	2.697	2.644	2.581	2.796	3.003	3.016	2.753	6.24
Methyl Ethyl Ketone						1.922	1.821	1.858	1.836	1.772	1.878	2.000	2.013	1.888	4.53
Cis-1,2-Dichloroethene						1.532	1.382	1.393	1.386	1.359	1.413	1.477	1.535	1.435	4.90
Hexane						1.505	1.444	1.462	1.463	1.439	1.479	1.552	1.548	1.487	2.99
Chloroform						2.591	2.478	2.364	2.382	2.309	2.346	2.474	2.529	2.434	4.06

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs | Client: IMPACT-ICL

Lab Code: Phoenix | SDG No.: GCU98124

Instrument ID: CHEM24 | Calibration Date From: 11/16/25 17:35

Heated Purge (Y/N): Y | Calibration Date Thru: 11/16/25 21:58

GC Column: | Method File: 24_AIR_1116.M

Laboratory File Ids

RRF1 1116_04.D RRF2 1116_05.D RRF3 1116_06.D RRF4 1116_07.D RRF5 1116_08.D RRF6 1116_09.D
RRF7 1116_10.D RRF8 1116_15.D RRF9 1116_11.D RRF10 1116_12.D RRF11 1116_16.D RRF12 1116_13.D
RRF13 1116_14.D

COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
Ethyl acetate						0.379	0.361	0.335	0.351	0.334	0.363	0.368	0.372	0.358	4.68
Tetrahydrofuran						0.918	0.925	0.936	0.892	0.893	0.943	0.993	1.018	0.940	4.77
1,2-Dichloroethane						1.345	1.382	1.355	1.332	1.322	1.330	1.400	1.429	1.362	2.80
1,1,1-Trichloroethane						2.506	2.438	2.303	2.312	2.252	2.318	2.410	2.506	2.381	4.10
Benzene					3.593	3.385	3.319	3.235	3.180	3.188	3.270	3.435	3.419	3.336	4.05
Carbon Tetrachloride						2.442	2.484	2.353	2.421	2.374	2.478	2.621	2.674	2.481	4.57
Cyclohexane						1.726	1.510	1.399	1.359	1.327	1.353	1.404	1.420	1.437	8.99
1,2-dichloropropane						0.344	0.341	0.324	0.344	0.326	0.336	0.354	0.360	0.341	3.70
Bromodichloromethane						0.730	0.736	0.703	0.723	0.696	0.730	0.783	0.773	0.734	4.14
Trichloroethene						0.484	0.476	0.463	0.472	0.452	0.472	0.512	0.507	0.480	4.29
2,2,4-trimethylpentane						1.308	1.306	1.373	1.422	1.363	1.402	1.453	1.348	1.372	3.81
1,4-Dioxane						0.154	0.158	0.218	0.199	0.209	0.212	0.217	0.201	0.196	13.04
Heptane						0.454	0.465	0.447	0.473	0.464	0.477	0.500	0.505	0.473	4.29
cis-1,3-Dichloropropene						0.675	0.623	0.624	0.647	0.613	0.656	0.706	0.713	0.657	5.77
4-Methyl-2-pentanone(MIBK)						0.566	0.605	0.705	0.676	0.696	0.713	0.722	0.709	0.674	8.50
trans-1,3-Dichloropropene						0.399	0.408	0.437	0.425	0.426	0.459	0.492	0.512	0.445	8.99
1,1,2-Trichloroethane						0.413	0.411	0.393	0.411	0.386	0.408	0.435	0.444	0.413	4.69
Toluene						1.032	1.045	1.072	1.082	1.058	1.124	1.187	1.176	1.097	5.38
Dibromochloromethane						0.778	0.753	0.781	0.792	0.763	0.813	0.875	0.892	0.806	6.37
2-Hexanone(MBK) q						0.078	0.264	0.840	2.253	4.801	9.884	25.250	39.920	Coef R2	1.00
1,2-Dibromoethane(EDB)						0.687	0.667	0.676	0.691	0.670	0.706	0.749	0.762	0.701	5.17
Tetrachloroethene						0.641	0.625	0.616	0.620	0.596	0.615	0.655	0.678	0.631	4.13
1,1,1,2-Tetrachloroethane						1.294	1.241	1.188	1.173	1.108	1.124	1.109	1.049	1.161	6.86
Chlorobenzene						2.230	2.099	2.028	1.990	1.916	1.932	1.925	1.778	1.987	6.82

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs | Client: IMPACT-ICL

Lab Code: Phoenix | SDG No.: GCU98124

Instrument ID: CHEM24 | Calibration Date From: 11/16/25 17:35

Heated Purge (Y/N): Y | Calibration Date Thru: 11/16/25 21:58

GC Column: | Method File: 24_AIR_1116.M

Laboratory File Ids

RRF1 1116_04.D RRF2 1116_05.D RRF3 1116_06.D RRF4 1116_07.D RRF5 1116_08.D RRF6 1116_09.D
RRF7 1116_10.D RRF8 1116_15.D RRF9 1116_11.D RRF10 1116_12.D RRF11 1116_16.D RRF12 1116_13.D
RRF13 1116_14.D

COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
Ethylbenzene					2.914	2.805	2.854	2.977	2.978	2.951	3.059	2.896	2.563	2.889	4.95
m,p-Xylene					2.131	2.041	2.202	1.865	2.402	2.320	2.420	2.186	1.869	2.160	9.56
Bromoform						1.664	1.709	1.766	1.717	1.700	1.816	1.794	1.727	1.736	2.94
Styrene						1.362	1.444	1.656	1.652	1.677	1.821	1.777	1.670	1.632	9.53
1,1,2,2-Tetrachloroethane						2.030	2.003	2.097	2.008	1.961	1.974	1.852	1.691	1.952	6.47
o-Xylene					2.338	2.262	2.330	2.462	2.438	2.364	2.442	2.322	2.089	2.339	4.90
Isopropylbenzene						3.425	3.429	3.373	3.515	3.310	3.492	3.160	2.766	3.309	7.45
4-Ethyltoluene						2.769	3.106	3.288	3.382	3.312	3.673	3.344	2.887	3.220	9.00
1,3,5-Trimethylbenzene						2.539	2.575	2.903	2.927	2.813	2.682	2.492	2.254	2.648	8.66
1,2,4-Trimethylbenzene						2.268	2.607	2.846	2.871	2.859	2.964	2.697	2.320	2.679	9.79
Benzyl chloride						0.983	1.275	1.919	1.793	2.002	2.316	2.308		1.799	27.99
1,3-Dichlorobenzene						1.463	1.743	2.043	2.005	2.009	2.094	2.022	1.858	1.905	11.10
1,4-Dichlorobenzene						1.365	1.570	1.887	1.847	1.829	1.985	1.936	1.782	1.775	11.67
sec-Butylbenzene						3.725	4.159	4.405	4.413	4.359	4.503	3.840	3.080	4.060	11.99
4-Isopropyltoluene						3.241	3.653	4.013	3.947	3.957	4.024	3.641	3.063	3.692	9.99
1,2-Dichlorobenzene						1.710	1.802	2.088	1.920	1.860	1.955	1.873	1.758	1.871	6.39
n-Butylbenzene						2.209	2.619	3.246	3.142	3.392	3.426	3.142	2.686	2.983	14.46
1,2,4-Trichlorobenzene q						0.066	0.190	1.226	1.658	4.400	9.625	25.700	39.780	Coef R2	1.00
Naphthalene q						0.074	0.203	1.105	1.844	4.461	9.584	25.870	39.660	Coef R2	1.00
Hexachlorobutadiene						1.691	1.658	1.812	1.675	1.619	1.598	1.537	1.485	1.634	6.13
1,2-Dichlorotetrafluoroethane(sim)	2.749	2.315	2.394	2.533	2.842	2.706	2.635	2.480	2.537	2.482				2.567	6.40
Vinyl Chloride(sim)	0.923	1.017	0.929	0.963	1.088	1.020	0.983	0.938	0.945	0.932				0.974	5.48
Bromomethane(sim)	1.082	1.053	1.164	1.116	1.182	1.076	1.120	0.971	0.990	0.952				1.071	7.41
Trichlorofluoromethane(sim)	2.727	2.637	2.683	2.671	3.064	2.887	2.802	2.733	2.776	2.751				2.773	4.49

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs | Client: IMPACT-ICL

Lab Code: Phoenix | SDG No.: GCU98124

Instrument ID: CHEM24 | Calibration Date From: 11/16/25 17:35

Heated Purge (Y/N): Y | Calibration Date Thru: 11/16/25 21:58

GC Column: | Method File: 24_AIR_1116.M

Laboratory File Ids

RRF1 1116_04.D RRF2 1116_05.D RRF3 1116_06.D RRF4 1116_07.D RRF5 1116_08.D RRF6 1116_09.D
RRF7 1116_10.D RRF8 1116_15.D RRF9 1116_11.D RRF10 1116_12.D RRF11 1116_16.D RRF12 1116_13.D
RRF13 1116_14.D

COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
1,2-Dichloroethane(sim)	1.306	1.287	1.362	1.362	1.360	1.206	1.240	1.227	1.198	1.188				1.274	5.57
1,1,1-Trichloroethane(sim)	2.233	2.179	2.210	2.252	2.536	2.418	2.377	2.324	2.345	2.310				2.318	4.65
Benzene(sim)			3.694	3.180	3.219	3.034	2.977	2.929	2.858					3.127	9.00
Carbon Tetrachloride(sim)	1.997	2.103	2.076	2.191	2.502	2.431	2.451	2.403	2.457					2.290	8.56
1,1-Dichloroethene(sim)	1.561	1.537	1.605	1.579	1.555	1.440	1.465	1.438	1.452	1.433				1.507	4.45
Trichlorotrifluoroethane(sim)	2.468	2.253	2.245	2.303	2.671	2.528	2.461	2.394	2.425	2.375				2.412	5.40
Trans-1,2-Dichloroethene(sim)					1.360	1.287	1.333	1.278	1.276	1.292				1.304	2.62
1,1-Dichloroethane(sim)	1.876	1.721	1.760	1.862	2.066	1.976	1.930	1.847	1.891	1.865				1.879	5.26
Cis-1,2-Dichloroethene(sim)	1.394	1.372	1.330	1.319	1.423	1.373	1.240	1.261	1.246	1.221				1.318	5.48
Chloroform(sim)	3.209	2.728	2.455	2.429	2.724	2.530	2.436	2.353	2.377	2.326				2.557	10.53
1,2-dichloropropane(sim)	0.384	0.387	0.380	0.371	0.418	0.394	0.376	0.361	0.373	0.361				0.380	4.43
Bromodichloromethane(sim)	0.783	0.754	0.649	0.696	0.829	0.730	0.736	0.703	0.723	0.696				0.730	6.89
Trichloroethene(sim)	0.757	0.720	0.746	0.740	0.570	0.533	0.520	0.521	0.534	0.513				0.616	17.75
1,4-Dioxane(sim)					0.164	0.154	0.158	0.218	0.199	0.209				0.184	15.32
cis-1,3-Dichloropropene(sim)	0.617	0.576	0.552	0.591	0.666	0.629	0.620	0.637	0.665					0.617	6.24
1,1,2-Trichloroethane(sim)	0.471	0.421	0.421	0.433	0.437	0.413	0.411	0.393	0.411	0.386				0.420	5.72
Dibromochloromethane(sim)	0.881	0.753	0.761	0.760	0.906	0.852	0.832	0.846	0.880					0.830	7.02
1,2-Dibromoethane(EDB)(sim)	0.706	0.593	0.652	0.680	0.705	0.687	0.667	0.676	0.691	0.670				0.673	4.82
Tetrachloroethene(sim)	0.838	0.785	0.771	0.805	0.759	0.723	0.699	0.680	0.706	0.681	0.716			0.742	7.13
Bromoform(sim)	1.987	1.585	1.597	1.621	1.893	1.812	1.836	1.948	1.883					1.796	8.66
m,p-Xylene(sim)	2.482	2.299	2.012	2.132	2.129	2.127	2.249	2.361	2.415	2.326				2.253	6.64
1,1,2,2-Tetrachloroethane(sim)	2.264	1.845	1.879	1.917	2.238	2.153	2.193	2.266	2.220	2.168				2.114	7.87
Benzyl chloride(sim) q			0.010	0.020	0.049	0.118	0.378	1.113	2.488					Coef R2	0.99
1,3-Dichlorobenzene(sim) q			0.017	0.030	0.070	0.147	0.448	1.056	2.494					Coef R2	1.00

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Client: IMPACT-ICL
Lab Code: Phoenix
SDG No.: GCU98124
Instrument ID: CHEM24
Calibration Date From: 11/16/25 17:35
Heated Purge (Y/N): Y
Calibration Date Thru: 11/16/25 21:58
GC Column:
Method File: 24_AIR_1116.M

Laboratory File Ids

RRF1 1116_04.D RRF2 1116_05.D RRF3 1116_06.D RRF4 1116_07.D RRF5 1116_08.D RRF6 1116_09.D
RRF7 1116_10.D RRF8 1116_15.D RRF9 1116_11.D RRF10 1116_12.D RRF11 1116_16.D RRF12 1116_13.D
RRF13 1116_14.D

COMPOUND		RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
1,4-Dichlorobenzene(sim)	q		0.014	0.025	0.035	0.069	0.157	0.447	1.054	2.494					Coef R2	1.00
sec-Butylbenzene(sim)		3.435	3.093	3.081	3.221	4.016	4.085	4.552	4.885	4.979	4.966				4.031	19.51
4-Isopropyltoluene(sim)						3.177	3.240	3.653	4.013	3.960	3.965				3.668	10.32
1,2-Dichlorobenzene(sim)			1.516	1.406	1.583	1.889	1.903	2.004	2.400	2.229	2.209				1.904	18.16
n-Butylbenzene(sim)	q				0.024	0.063	0.148	0.436	1.065	2.493					Coef R2	1.00
1,2,4-Trichlorobenzene(sir	q			0.185	0.196	0.230	0.312	0.453	1.004						Coef R2	0.99
Hexachlorobutadiene(sim)		2.853	2.179	1.854	1.766	1.961	1.915	1.954	2.103	1.999					2.065	15.51
% Bromofluorobenzene							1.256	1.296	1.293	1.295	1.301	1.277	1.171	1.088	1.247	6.20

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_04.D
Acq On : 16 Nov 2025 2:28 pm
Operator : Keith
Client ID : ICAL 0.01
Lab ID : 0.01 (40cc -1); TO1515
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 17 10:11:00 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.397	130	238303	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	845056	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	390051	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	263336	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	844521	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	390051	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	474144	9.347	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.50%				
Target Compounds							Qvalue
2) Propylene	3.979	41	616	0.037	ppbv#		85
3) Dichlorodifluoromethane	4.037	85	646	0.010	ppbv#		48
4) Chloromethane	4.194	50	454	0.023	ppbv#		42
5) 1,2-Dichlorotetrafluor...	4.286	85	671	0.010	ppbv#		81
6) Vinyl Chloride	4.402	62	272	0.011	ppbv#		44
7) 1,3-Butadiene	4.526	54	246	0.015	ppbv#		79
8) Bromomethane	4.742	94	579	0.022	ppbv#		72
9) Chloroethane	0.000	64	0	0.000	ppbv		0
11) Ethanol	4.965	45	266	0.039	ppbv#		46
12) Acetone	5.349	43	2109	0.064	ppbv#		81
13) Trichlorofluoromethane	5.478	101	583	0.009	ppbv#		37
14) Isopropylalcohol	5.521	45	1478	0.038	ppbv#		91
15) Acrylonitrile	0.000	53	0	0.000	ppbv		0
16) 1,1-Dichloroethene	5.926	61	325	0.008	ppbv#		1
17) Methylene Chloride	5.991	49	1402	0.049	ppbv#		75
20) Carbon Disulfide	6.229	76	679	0.009	ppbv#		76
21) Trichlorotrifluoroethane	6.164	101	522	0.009	ppbv#		66
22) Trans-1,2-Dichloroethene	6.627	61	692	0.020	ppbv#		25
23) 1,1-Dichloroethane	6.757	63	397	0.009	ppbv#		52
24) Methyl tert-butyl ethe...	6.805	73	615	0.009	ppbv#		42
25) Methyl Ethyl Ketone	7.016	43	610	0.014	ppbv#		67
26) Cis-1,2-Dichloroethene	7.292	61	122	0.004	ppbv#		1
27) Hexane	7.414	57	283	0.008	ppbv#		52
28) Chloroform	7.470	83	699	0.012	ppbv		91
29) Ethyl acetate	0.000	61	0	0.000	ppbv		0
30) Tetrahydrofuran	0.000	42	0	0.000	ppbv		0
31) 1,2-Dichloroethane	7.933	62	149	0.005	ppbv#		43
32) 1,1,1-Trichloroethane	8.103	97	365	0.006	ppbv#		67
33) Benzene	8.392	78	1292	0.016	ppbv#		73
34) Carbon Tetrachloride	8.487	117	433	0.007	ppbv#		85
35) Cyclohexane	8.565	84	1378	0.040	ppbv#		6
37) 1,2-dichloropropane	8.867	63	286	0.010	ppbv#		78
38) Bromodichloromethane	8.980	83	640	0.010	ppbv#		67
39) Trichloroethene	9.006	130	371	0.009	ppbv#		45
40) 2,2,4-trimethylpentane	9.006	57	1099	0.009	ppbv		95
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv		0
43) Heptane	9.144	43	457	0.011	ppbv#		83
44) cis-1,3-Dichloropropene	9.485	75	583	0.010	ppbv#		63
45) 4-Methyl-2-pentanone(M...	9.507	43	429	0.008	ppbv#		50
46) trans-1,3-Dichloropropene	9.781	75	240	0.006	ppbv#		70
47) 1,1,2-Trichloroethane	9.887	97	178	0.005	ppbv#		30
48) Toluene	10.056	91	1002	0.011	ppbv#		90

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_04.D
Acq On : 16 Nov 2025 2:28 pm
Operator : Keith
Client ID : ICAL 0.01
Lab ID : 0.01 (40cc -1); TO1515
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 17 10:11:00 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	539	0.008	ppbv#	86
50)	2-Hexanone(MBK)	0.000	43	0	0.000	ppbv	0
51)	1,2-Dibromoethane(EDB)	10.450	107	444	0.007	ppbv	86
52)	Tetrachloroethene	10.696	166	454	0.009	ppbv#	74
54)	1,1,1,2-Tetrachloroethane	11.051	131	460	0.010	ppbv#	83
55)	Chlorobenzene	11.074	112	1048	0.014	ppbv#	1
56)	Ethylbenzene	11.271	91	979	0.009	ppbv	86
57)	m,p-Xylene	11.369	91	1639	0.019	ppbv	92
58)	Bromoform	11.445	173	710	0.010	ppbv#	73
59)	Styrene	11.582	104	308	0.005	ppbv#	64
60)	1,1,2,2-Tetrachloroethane	11.627	83	789	0.010	ppbv#	69
61)	o-Xylene	11.635	91	1009	0.011	ppbv#	66
64)	Isopropylbenzene	11.946	105	1338	0.010	ppbv	95
66)	4-Ethyltoluene	12.366	105	2137	0.017	ppbv#	89
67)	1,3,5-Trimethylbenzene	12.366	105	2137	0.021	ppbv#	64
68)	1,2,4-Trimethylbenzene	12.615	105	681	0.007	ppbv#	84
70)	Benzyl chloride	12.778	91	194	0.003	ppbv#	58
71)	1,3-Dichlorobenzene	12.740	146	563	0.008	ppbv#	71
72)	1,4-Dichlorobenzene	12.778	146	650	0.009	ppbv#	77
73)	sec-Butylbenzene	12.778	105	1234	0.008	ppbv#	74
74)	4-Isopropyltoluene	12.872	119	1300	0.009	ppbv#	84
75)	1,2-Dichlorobenzene	12.988	146	561	0.008	ppbv#	71
76)	n-Butylbenzene	13.144	91	222	0.002	ppbv#	35
77)	1,2,4-Trichlorobenzene	0.000	180	0	0.000	ppbv	0
78)	Naphthalene	14.302	128	568	0.005	ppbv#	70
79)	Hexachlorobutadiene	14.520	225	981	0.015	ppbv	89
81]	1,2-Dichlorotetrafluor...	4.288	85	724m	0.011	ppbv	81
82]	Vinyl Chloride(sim)	4.396	62	243m	0.009	ppbv	97
83]	Bromomethane(sim)	4.753	94	285m	0.010	ppbv	72
84]	Trichlorofluoromethane...	5.469	101	718	0.010	ppbv#	96
85]	1,2-Dichloroethane(sim)	7.944	62	344m	0.010	ppbv	43
86]	1,1,1-Trichloroethane(...	8.106	97	588	0.010	ppbv#	96
87]	Benzene(sim)	8.386	78	1354m	0.016	ppbv	73
88]	Carbon Tetrachloride(sim)	8.481	117	526	0.009	ppbv	96
89]	1,1-Dichloroethene(sim)	5.923	61	411m	0.010	ppbv	1
90]	Trichlorotrifluoroetha...	6.173	101	650	0.010	ppbv#	93
91]	Trans-1,2-Dichloroethe...	6.622	61	783m	0.023	ppbv	25
92]	1,1-Dichloroethane(sim)	6.752	63	494	0.010	ppbv#	84
93]	Cis-1,2-Dichloroethene...	7.287	61	367m	0.011	ppbv	1
94]	Chloroform(sim)	7.473	83	845	0.013	ppbv#	83
96]	1,2-dichloropropane(sim)	8.862	63	324	0.010	ppbv#	86
97]	Bromodichloromethane(sim)	8.974	83	661m	0.011	ppbv	67
98]	Trichloroethene(sim)	9.000	130	639	0.012	ppbv	98
99]	1,4-Dioxane(sim)	9.017	88	169m	0.011	ppbv	0
100]	cis-1,3-Dichloropropen...	9.488	75	521	0.010	ppbv	95
101]	1,1,2-Trichloroethane(...	9.897	97	398m	0.011	ppbv	30
102]	Dibromochloromethane(sim)	10.312	129	744	0.011	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.453	107	596m	0.010	ppbv	86
104]	Tetrachloroethene(sim)	10.699	166	708	0.011	ppbv	95
106]	Bromoform(sim)	11.440	173	775	0.011	ppbv	98
107]	m,p-Xylene(sim)	11.365	91	1936m	0.022	ppbv	92
108]	1,1,2,2-Tetrachloroeth...	11.630	83	883	0.011	ppbv	99
109]	Benzyl chloride(sim)	12.774	91	331m	0.005	ppbv	58
110]	1,3-Dichlorobenzene(sim)	12.742	146	702	0.009	ppbv	91
111]	1,4-Dichlorobenzene(sim)	12.781	146	738m	0.010	ppbv	77

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_04.D
Acq On : 16 Nov 2025 2:28 pm
Operator : Keith
Client ID : ICAL 0.01
Lab ID : 0.01 (40cc -1); TO1515
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 17 10:11:00 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

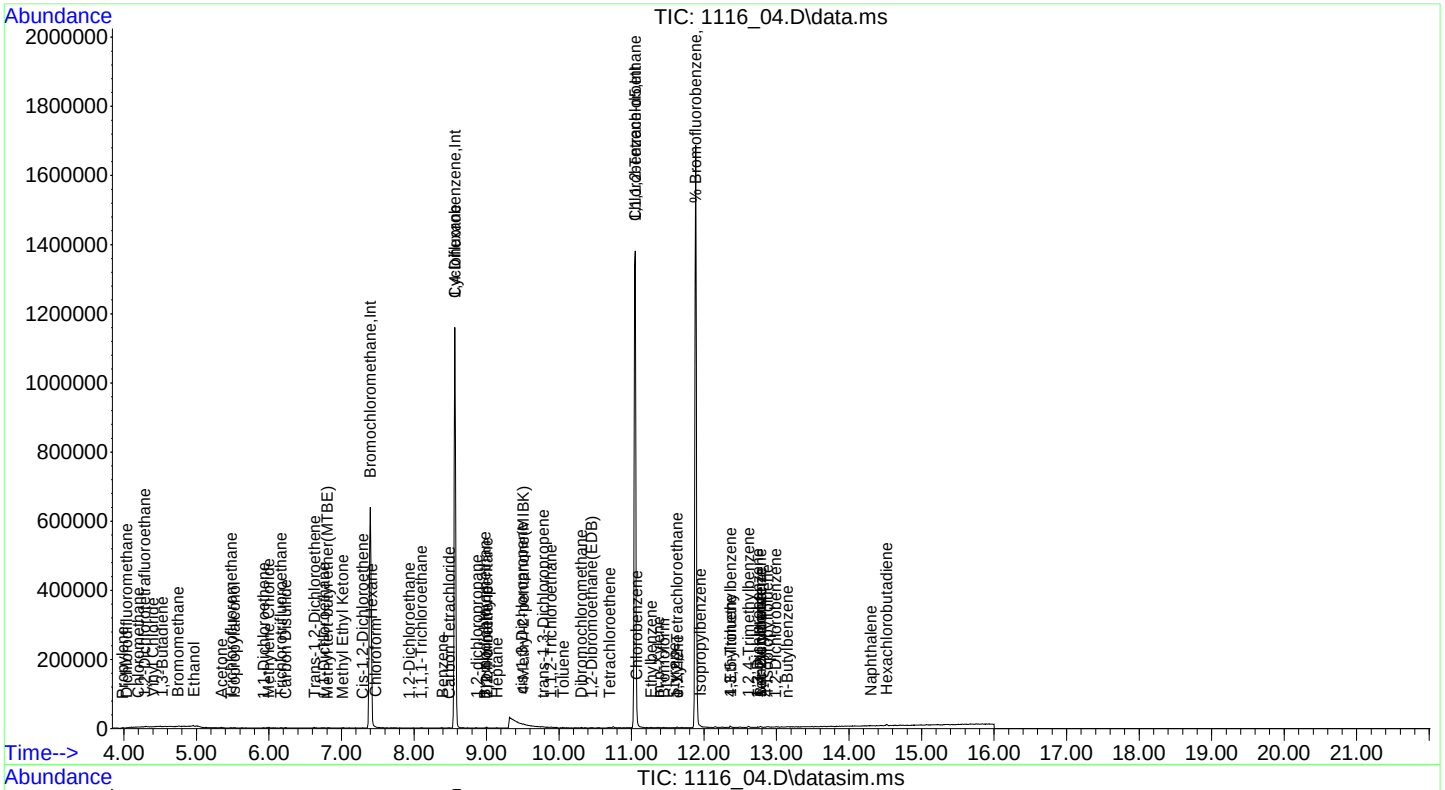
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	1340	0.009	ppbv	95
113] 4-Isopropyltoluene(sim)	12.867	119	1379m	0.010	ppbv	84
114] 1,2-Dichlorobenzene(sim)	12.999	146	860	0.012	ppbv	96
115] n-Butylbenzene(sim)	13.147	91	640m	0.005	ppbv	35
116] 1,2,4-Trichlorobenzene...	14.189	180	510	0.033	ppbv	95
118] Hexachlorobutadiene(sim)	14.523	225	1113	0.014	ppbv	97

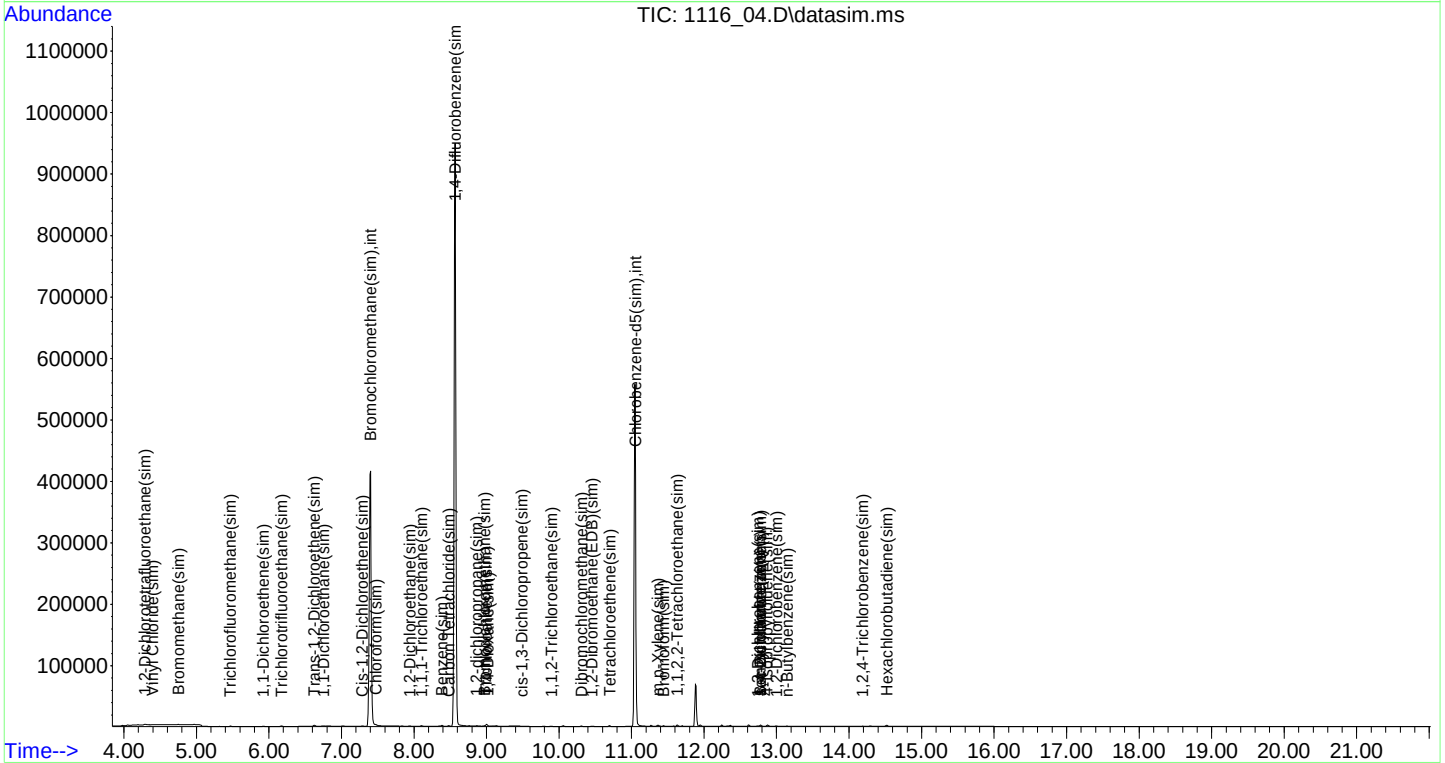
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_04.D
Acq On : 16 Nov 2025 2:28 pm
Operator : Keith
Client ID : ICAL 0.01
Lab ID : 0.01 (40cc -1); TO1515
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 17 10:11:00 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_04.D
Acq On : 16 Nov 2025 2:28 pm
Operator : Keith
Client ID : ICAL 0.01
Lab ID : 0.01 (40cc -1); TO1515
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 17 10:11:00 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.397	130	238303	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	845056	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	390051	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	263336	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	844521	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	390051	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	474144	9.347	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.50%				
Target Compounds							Qvalue
2) Propylene	3.979	41	616	0.037	ppbv#		85
3) Dichlorodifluoromethane	4.037	85	646	0.010	ppbv#		48
4) Chloromethane	4.194	50	454	0.023	ppbv#		42
5) 1,2-Dichlorotetrafluor...	4.286	85	671	0.010	ppbv#		81
6) Vinyl Chloride	4.402	62	272	0.011	ppbv#		44
7) 1,3-Butadiene	4.526	54	246	0.015	ppbv#		79
8) Bromomethane	4.742	94	579	0.022	ppbv#		72
9) Chloroethane	0.000	64	0	0.000	ppbv		0
11) Ethanol	4.965	45	266	0.039	ppbv#		46
12) Acetone	5.349	43	2109	0.064	ppbv#		81
13) Trichlorofluoromethane	5.478	101	583	0.009	ppbv#		37
14) Isopropylalcohol	5.521	45	1478	0.038	ppbv#		91
15) Acrylonitrile	0.000	53	0	0.000	ppbv		0
16) 1,1-Dichloroethene	5.926	61	325	0.008	ppbv#		1
17) Methylene Chloride	5.991	49	1402	0.049	ppbv#		75
20) Carbon Disulfide	6.229	76	679	0.009	ppbv#		76
21) Trichlorotrifluoroethane	6.164	101	522	0.009	ppbv#		66
22) Trans-1,2-Dichloroethene	6.627	61	692	0.020	ppbv#		25
23) 1,1-Dichloroethane	6.757	63	397	0.009	ppbv#		52
24) Methyl tert-butyl ethe...	6.805	73	615	0.009	ppbv#		42
25) Methyl Ethyl Ketone	7.016	43	610	0.014	ppbv#		67
26) Cis-1,2-Dichloroethene	7.292	61	122	0.004	ppbv#		1
27) Hexane	7.414	57	283	0.008	ppbv#		52
28) Chloroform	7.470	83	699	0.012	ppbv		91
29) Ethyl acetate	0.000	61	0	0.000	ppbv		0
30) Tetrahydrofuran	0.000	42	0	0.000	ppbv		0
31) 1,2-Dichloroethane	7.933	62	149	0.005	ppbv#		43
32) 1,1,1-Trichloroethane	8.103	97	365	0.006	ppbv#		67
33) Benzene	8.392	78	1292	0.016	ppbv#		73
34) Carbon Tetrachloride	8.487	117	433	0.007	ppbv#		85
35) Cyclohexane	8.565	84	1378	0.040	ppbv#		6
37) 1,2-dichloropropane	8.867	63	286	0.010	ppbv#		78
38) Bromodichloromethane	8.980	83	640	0.010	ppbv#		67
39) Trichloroethene	9.006	130	371	0.009	ppbv#		45
40) 2,2,4-trimethylpentane	9.006	57	1099	0.009	ppbv		95
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv		0
43) Heptane	9.144	43	457	0.011	ppbv#		83
44) cis-1,3-Dichloropropene	9.485	75	583	0.010	ppbv#		63
45) 4-Methyl-2-pentanone(M...	9.507	43	429	0.008	ppbv#		50
46) trans-1,3-Dichloropropene	9.781	75	240	0.006	ppbv#		70
47) 1,1,2-Trichloroethane	9.887	97	178	0.005	ppbv#		30
48) Toluene	10.056	91	1002	0.011	ppbv#		90

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_04.D
Acq On : 16 Nov 2025 2:28 pm
Operator : Keith
Client ID : ICAL 0.01
Lab ID : 0.01 (40cc -1); TO1515
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 17 10:11:00 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	539	0.008	ppbv#	86
50)	2-Hexanone(MBK)	0.000	43	0	0.000	ppbv	0
51)	1,2-Dibromoethane(EDB)	10.450	107	444	0.007	ppbv	86
52)	Tetrachloroethene	10.696	166	454	0.009	ppbv#	74
54)	1,1,1,2-Tetrachloroethane	11.051	131	460	0.010	ppbv#	83
55)	Chlorobenzene	11.074	112	1048	0.014	ppbv#	1
56)	Ethylbenzene	11.271	91	979	0.009	ppbv	86
57)	m,p-Xylene	11.369	91	1639	0.019	ppbv	92
58)	Bromoform	11.445	173	710	0.010	ppbv#	73
59)	Styrene	11.582	104	308	0.005	ppbv#	64
60)	1,1,2,2-Tetrachloroethane	11.627	83	789	0.010	ppbv#	69
61)	o-Xylene	11.635	91	1009	0.011	ppbv#	66
64)	Isopropylbenzene	11.946	105	1338	0.010	ppbv	95
66)	4-Ethyltoluene	12.366	105	2137	0.017	ppbv#	89
67)	1,3,5-Trimethylbenzene	12.366	105	2137	0.021	ppbv#	64
68)	1,2,4-Trimethylbenzene	12.615	105	681	0.007	ppbv#	84
70)	Benzyl chloride	12.778	91	194	0.003	ppbv#	58
71)	1,3-Dichlorobenzene	12.740	146	563	0.008	ppbv#	71
72)	1,4-Dichlorobenzene	12.778	146	650	0.009	ppbv#	77
73)	sec-Butylbenzene	12.778	105	1234	0.008	ppbv#	74
74)	4-Isopropyltoluene	12.872	119	1300	0.009	ppbv#	84
75)	1,2-Dichlorobenzene	12.988	146	561	0.008	ppbv#	71
76)	n-Butylbenzene	13.144	91	222	0.002	ppbv#	35
77)	1,2,4-Trichlorobenzene	0.000	180	0	0.000	ppbv	0
78)	Naphthalene	14.302	128	568	0.005	ppbv#	70
79)	Hexachlorobutadiene	14.520	225	981	0.015	ppbv	89
81]	1,2-Dichlorotetrafluor...	4.288	85	724m	0.011	ppbv	81
82]	Vinyl Chloride(sim)	4.396	62	243m	0.009	ppbv	97
83]	Bromomethane(sim)	4.753	94	285m	0.010	ppbv	72
84]	Trichlorofluoromethane...	5.469	101	718	0.010	ppbv#	96
85]	1,2-Dichloroethane(sim)	7.944	62	344m	0.010	ppbv	43
86]	1,1,1-Trichloroethane(...	8.106	97	588	0.010	ppbv#	96
87]	Benzene(sim)	8.386	78	1354m	0.016	ppbv	73
88]	Carbon Tetrachloride(sim)	8.481	117	526	0.009	ppbv	96
89]	1,1-Dichloroethene(sim)	5.923	61	411m	0.010	ppbv	1
90]	Trichlorotrifluoroetha...	6.173	101	650	0.010	ppbv#	93
91]	Trans-1,2-Dichloroethe...	6.622	61	783m	0.023	ppbv	25
92]	1,1-Dichloroethane(sim)	6.752	63	494	0.010	ppbv#	84
93]	Cis-1,2-Dichloroethene...	7.287	61	367m	0.011	ppbv	1
94]	Chloroform(sim)	7.473	83	845	0.013	ppbv#	83
96]	1,2-dichloropropane(sim)	8.862	63	324	0.010	ppbv#	86
97]	Bromodichloromethane(sim)	8.974	83	661m	0.011	ppbv	67
98]	Trichloroethene(sim)	9.000	130	639	0.012	ppbv	98
99]	1,4-Dioxane(sim)	9.017	88	169m	0.011	ppbv	0
100]	cis-1,3-Dichloropropen...	9.488	75	521	0.010	ppbv	95
101]	1,1,2-Trichloroethane(...	9.897	97	398m	0.011	ppbv	30
102]	Dibromochloromethane(sim)	10.312	129	744	0.011	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.453	107	596m	0.010	ppbv	86
104]	Tetrachloroethene(sim)	10.699	166	708	0.011	ppbv	95
106]	Bromoform(sim)	11.440	173	775	0.011	ppbv	98
107]	m,p-Xylene(sim)	11.365	91	1936m	0.022	ppbv	92
108]	1,1,2,2-Tetrachloroeth...	11.630	83	883	0.011	ppbv	99
109]	Benzyl chloride(sim)	12.774	91	331m	0.005	ppbv	58
110]	1,3-Dichlorobenzene(sim)	12.742	146	702	0.009	ppbv	91
111]	1,4-Dichlorobenzene(sim)	12.781	146	738m	0.010	ppbv	77

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_04.D
Acq On : 16 Nov 2025 2:28 pm
Operator : Keith
Client ID : ICAL 0.01
Lab ID : 0.01 (40cc -1); TO1515
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 17 10:11:00 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

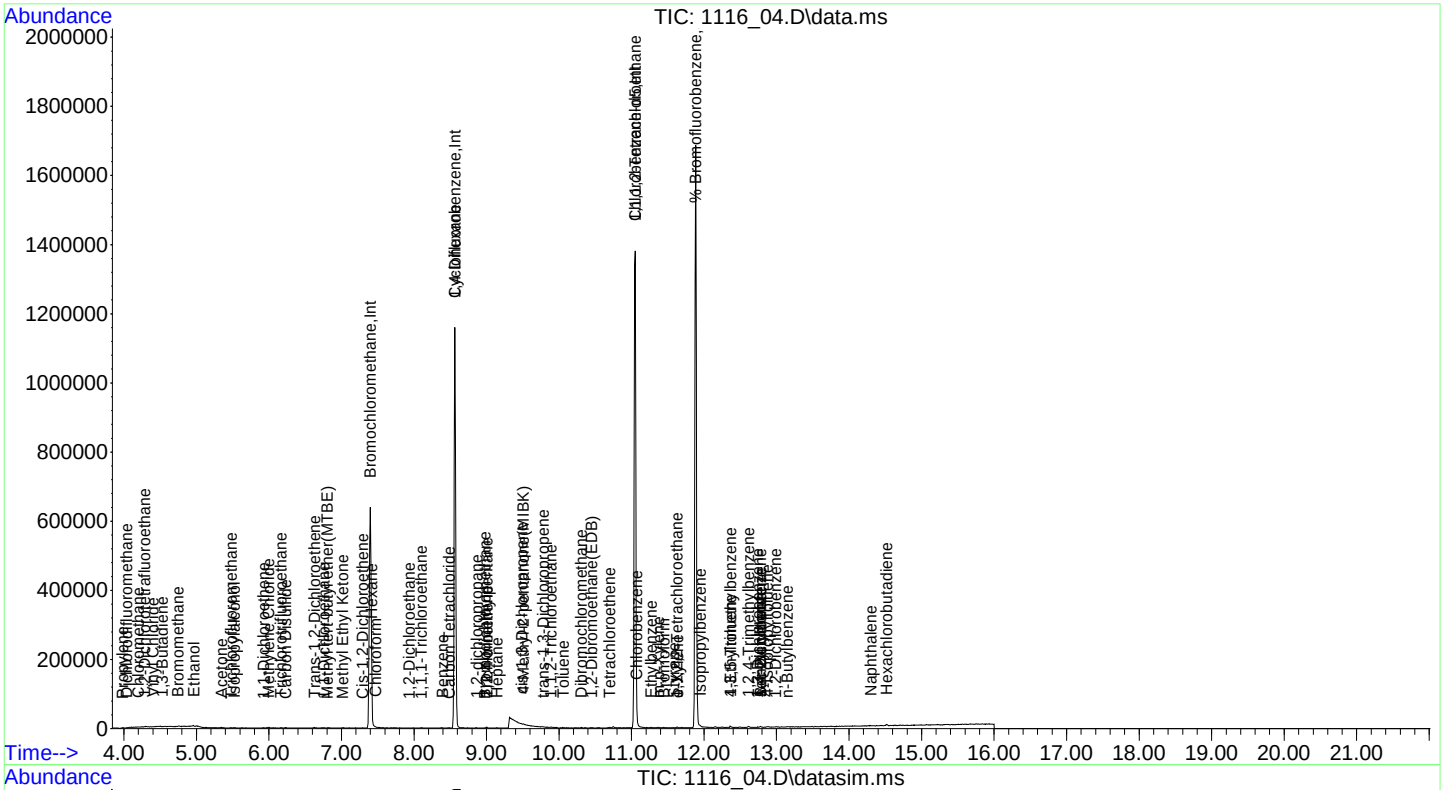
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	1340	0.009	ppbv	95
113] 4-Isopropyltoluene(sim)	12.867	119	1379m	0.010	ppbv	84
114] 1,2-Dichlorobenzene(sim)	12.999	146	860	0.012	ppbv	96
115] n-Butylbenzene(sim)	13.147	91	640m	0.005	ppbv	35
116] 1,2,4-Trichlorobenzene...	14.189	180	510	0.033	ppbv	95
118] Hexachlorobutadiene(sim)	14.523	225	1113	0.014	ppbv	97

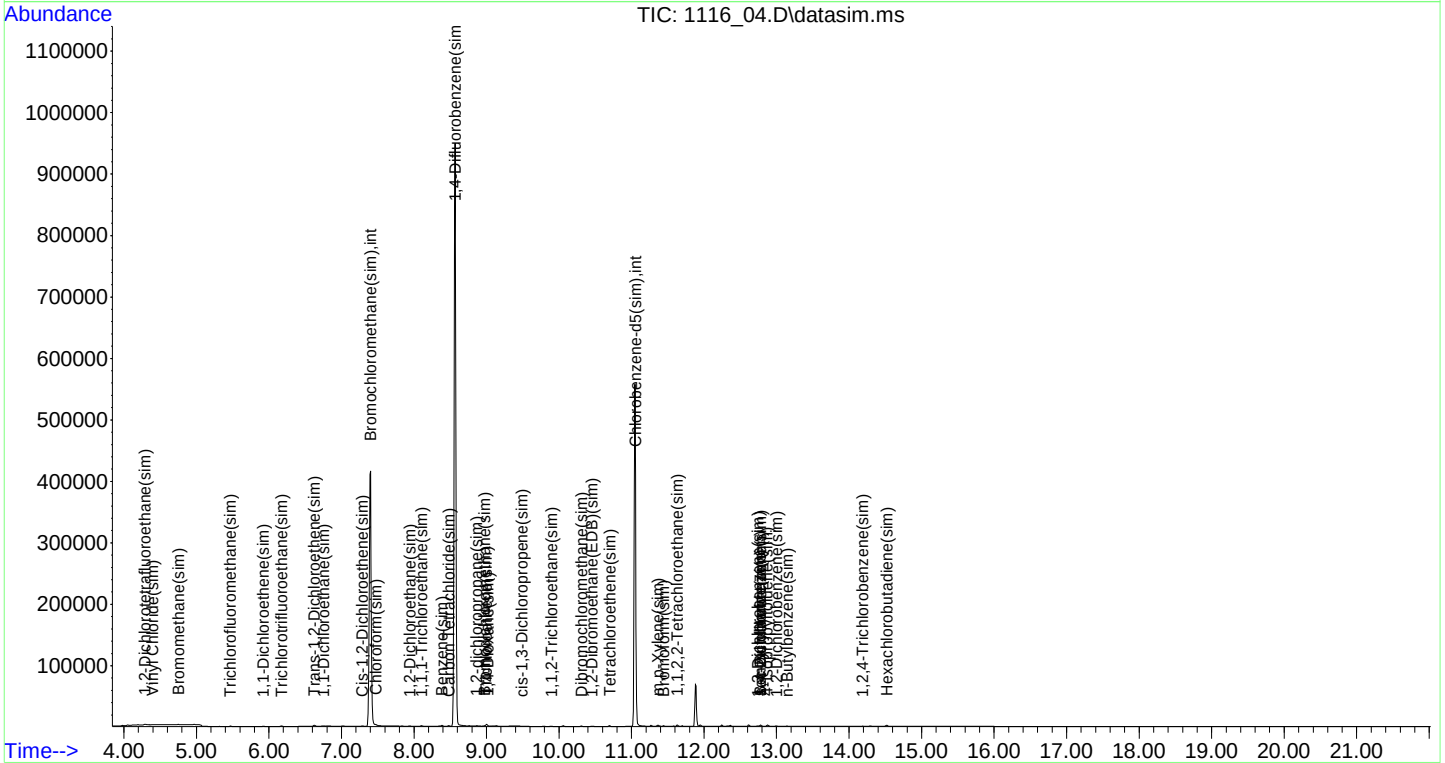
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_04.D
Acq On : 16 Nov 2025 2:28 pm
Operator : Keith
Client ID : ICAL 0.01
Lab ID : 0.01 (40cc -1); TO1515
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 17 10:11:00 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_05.D
Acq On : 16 Nov 2025 3:06 pm
Operator : Keith
Client ID : ICAL 0.02
Lab ID : 0.02 (80cc -1) ; TO1515
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 10:11:47 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	235147	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	849540	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	390597	10.000	ng		0.00
80) Bromochloromethane(sim)	7.401	130	264125	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	849540	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	390597	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	480061	9.451	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.50%				
Target Compounds							Qvalue
2) Propylene	3.987	41	1128	0.069	ppbv#		86
3) Dichlorodifluoromethane	4.054	85	1327	0.021	ppbv#		76
4) Chloromethane	4.186	50	806	0.042	ppbv#		42
5) 1,2-Dichlorotetrafluor...	4.294	85	1223	0.018	ppbv#		69
6) Vinyl Chloride	4.402	62	438	0.018	ppbv#		44
7) 1,3-Butadiene	4.518	54	376	0.023	ppbv#		66
8) Bromomethane	4.734	94	962	0.036	ppbv		92
9) Chloroethane	4.883	64	159	0.014	ppbv#		1
11) Ethanol	4.982	45	686	0.101	ppbv#		46
12) Acetone	5.343	43	3033	0.093	ppbv#		88
13) Trichlorofluoromethane	5.472	101	1116	0.017	ppbv#		87
14) Isopropylalcohol	5.521	45	2526	0.065	ppbv#		78
15) Acrylonitrile	5.668	53	213	0.016	ppbv#		37
16) 1,1-Dichloroethene	5.920	61	649	0.017	ppbv#		7
17) Methylene Chloride	5.997	49	1598	0.057	ppbv#		69
20) Carbon Disulfide	6.224	76	1420	0.019	ppbv#		76
21) Trichlorotrifluoroethane	6.170	101	855	0.015	ppbv#		83
22) Trans-1,2-Dichloroethene	6.627	61	1355	0.039	ppbv#		61
23) 1,1-Dichloroethane	6.749	63	928	0.020	ppbv#		63
24) Methyl tert-butyl ethe...	6.814	73	1348	0.021	ppbv#		71
25) Methyl Ethyl Ketone	7.016	43	1066	0.024	ppbv#		81
26) Cis-1,2-Dichloroethene	7.292	61	683	0.020	ppbv#		69
27) Hexane	7.406	57	670	0.019	ppbv#		94
28) Chloroform	7.479	83	1238	0.022	ppbv#		74
29) Ethyl acetate	0.000	61	0	0.000	ppbv		0
30) Tetrahydrofuran	7.754	42	296	0.013	ppbv#		71
31) 1,2-Dichloroethane	7.949	62	688	0.021	ppbv#		64
32) 1,1,1-Trichloroethane	8.103	97	1056	0.019	ppbv#		88
33) Benzene	8.392	78	2106	0.027	ppbv#		82
34) Carbon Tetrachloride	8.478	117	1060	0.018	ppbv		87
35) Cyclohexane	8.556	84	2019	0.060	ppbv#		43
37) 1,2-dichloropropane	8.868	63	468	0.016	ppbv#		80
38) Bromodichloromethane	8.980	83	1016	0.016	ppbv		84
39) Trichloroethene	8.997	130	992	0.024	ppbv#		79
40) 2,2,4-trimethylpentane	9.006	57	1992	0.017	ppbv#		94
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv		0
43) Heptane	9.144	43	672	0.017	ppbv#		79
44) cis-1,3-Dichloropropene	9.493	75	1008	0.018	ppbv#		58
45) 4-Methyl-2-pentanone(M...	9.521	43	514	0.009	ppbv#		50
46) trans-1,3-Dichloropropene	9.774	75	517	0.014	ppbv#		44
47) 1,1,2-Trichloroethane	9.894	97	554	0.016	ppbv		93
48) Toluene	10.056	91	1775	0.019	ppbv#		92

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_05.D
Acq On : 16 Nov 2025 3:06 pm
Operator : Keith
Client ID : ICAL 0.02
Lab ID : 0.02 (80cc -1) ; TO1515
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 10:11:47 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	1236	0.018	ppbv#	88
50)	2-Hexanone(MBK)	0.000	43	0	0.000	ppbv	0
51)	1,2-Dibromoethane(EDB)	10.450	107	1053	0.018	ppbv	80
52)	Tetrachloroethene	10.696	166	1063	0.020	ppbv	95
54)	1,1,1,2-Tetrachloroethane	11.059	131	756	0.017	ppbv#	49
55)	Chlorobenzene	11.074	112	1595	0.021	ppbv#	1
56)	Ethylbenzene	11.263	91	2210	0.020	ppbv	78
57)	m,p-Xylene	11.362	91	3034	0.036	ppbv	97
58)	Bromoform	11.445	173	904	0.013	ppbv	98
59)	Styrene	11.574	104	804	0.013	ppbv#	48
60)	1,1,2,2-Tetrachloroethane	11.627	83	1420	0.019	ppbv	90
61)	o-Xylene	11.627	91	1667	0.018	ppbv#	93
64)	Isopropylbenzene	11.946	105	2442	0.019	ppbv	97
66)	4-Ethyltoluene	12.328	105	1723	0.014	ppbv#	68
67)	1,3,5-Trimethylbenzene	12.359	105	1812	0.018	ppbv	98
68)	1,2,4-Trimethylbenzene	12.615	105	1119	0.011	ppbv#	84
70)	Benzyl chloride	12.732	91	76	0.001	ppbv#	58
71)	1,3-Dichlorobenzene	12.740	146	770	0.010	ppbv#	83
72)	1,4-Dichlorobenzene	12.779	146	685	0.010	ppbv#	74
73)	sec-Butylbenzene	12.779	105	2011	0.013	ppbv#	83
74)	4-Isopropyltoluene	12.872	119	2070	0.014	ppbv#	91
75)	1,2-Dichlorobenzene	12.996	146	877	0.012	ppbv#	81
76)	n-Butylbenzene	13.136	91	855	0.007	ppbv#	73
77)	1,2,4-Trichlorobenzene	0.000	180	0	0.000	ppbv	0
78)	Naphthalene	14.302	128	603	0.006	ppbv#	70
79)	Hexachlorobutadiene	14.520	225	1251	0.020	ppbv	96
81]	1,2-Dichlorotetrafluor...	4.294	85	1223	0.018	ppbv#	69
82]	Vinyl Chloride(sim)	4.396	62	537	0.021	ppbv	91
83]	Bromomethane(sim)	4.753	94	556m	0.020	ppbv	92
84]	Trichlorofluoromethane...	5.469	101	1393	0.019	ppbv#	94
85]	1,2-Dichloroethane(sim)	7.936	62	680m	0.020	ppbv	64
86]	1,1,1-Trichloroethane(...	8.106	97	1151	0.019	ppbv#	97
87]	Benzene(sim)	8.386	78	2239m	0.027	ppbv	82
88]	Carbon Tetrachloride(sim)	8.481	117	1111	0.018	ppbv	97
89]	1,1-Dichloroethene(sim)	5.923	61	812m	0.020	ppbv	7
90]	Trichlorotrifluoroetha...	6.173	101	1190	0.019	ppbv#	94
91]	Trans-1,2-Dichloroethe...	6.622	61	1555m	0.045	ppbv	61
92]	1,1-Dichloroethane(sim)	6.760	63	909	0.018	ppbv#	90
93]	Cis-1,2-Dichloroethene...	7.287	61	725m	0.021	ppbv	69
94]	Chloroform(sim)	7.473	83	1441	0.021	ppbv	96
96]	1,2-dichloropropane(sim)	8.862	63	657	0.020	ppbv#	90
97]	Bromodichloromethane(sim)	8.974	83	1281m	0.021	ppbv	85
98]	Trichloroethene(sim)	9.000	130	1224	0.023	ppbv	99
99]	1,4-Dioxane(sim)	9.018	88	312m	0.020	ppbv	0
100]	cis-1,3-Dichloropropen...	9.489	75	979	0.019	ppbv	94
101]	1,1,2-Trichloroethane(...	9.890	97	715m	0.020	ppbv	93
102]	Dibromochloromethane(sim)	10.312	129	1280	0.018	ppbv	98
103]	1,2-Dibromoethane(EDB)...	10.453	107	1008m	0.018	ppbv	73
104]	Tetrachloroethene(sim)	10.699	166	1334	0.021	ppbv	94
106]	Bromoform(sim)	11.441	173	1238	0.018	ppbv	99
107]	m,p-Xylene(sim)	11.365	91	3592m	0.041	ppbv	97
108]	1,1,2,2-Tetrachloroeth...	11.630	83	1441	0.017	ppbv	99
109]	Benzyl chloride(sim)	12.727	91	381m	0.005	ppbv	58
110]	1,3-Dichlorobenzene(sim)	12.743	146	848	0.010	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.782	146	924m	0.013	ppbv	74

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_05.D
Acq On : 16 Nov 2025 3:06 pm
Operator : Keith
Client ID : ICAL 0.02
Lab ID : 0.02 (80cc -1) ; TO1515
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 10:11:47 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

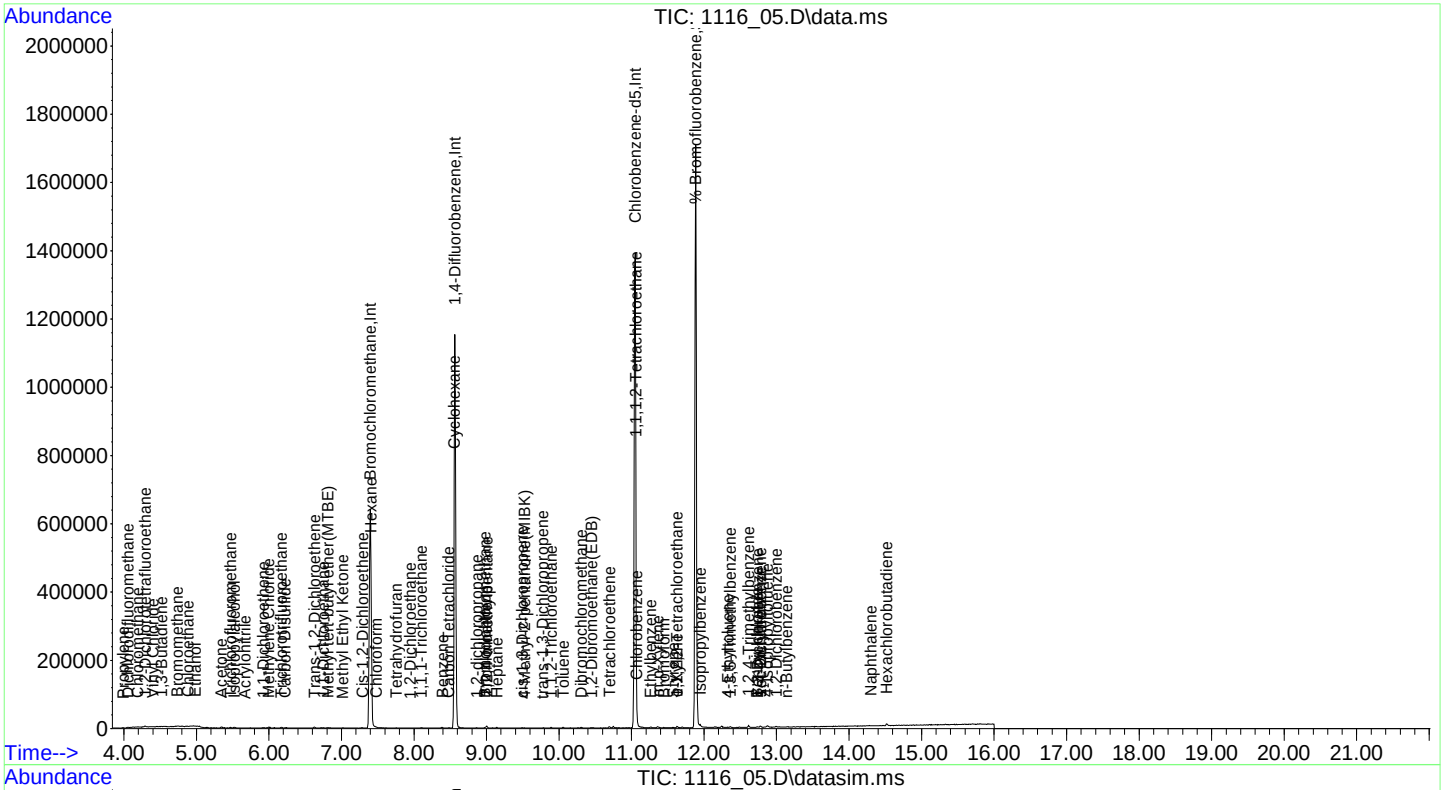
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	2416	0.015	ppbv	99
113] 4-Isopropyltoluene(sim)	12.867	119	2353m	0.016	ppbv	91
114] 1,2-Dichlorobenzene(sim)	12.991	146	1184	0.016	ppbv	99
115] n-Butylbenzene(sim)	13.139	91	1154m	0.009	ppbv	73
116] 1,2,4-Trichlorobenzene...	14.197	180	461	0.030	ppbv	87
118] Hexachlorobutadiene(sim)	14.515	225	1702	0.021	ppbv	96

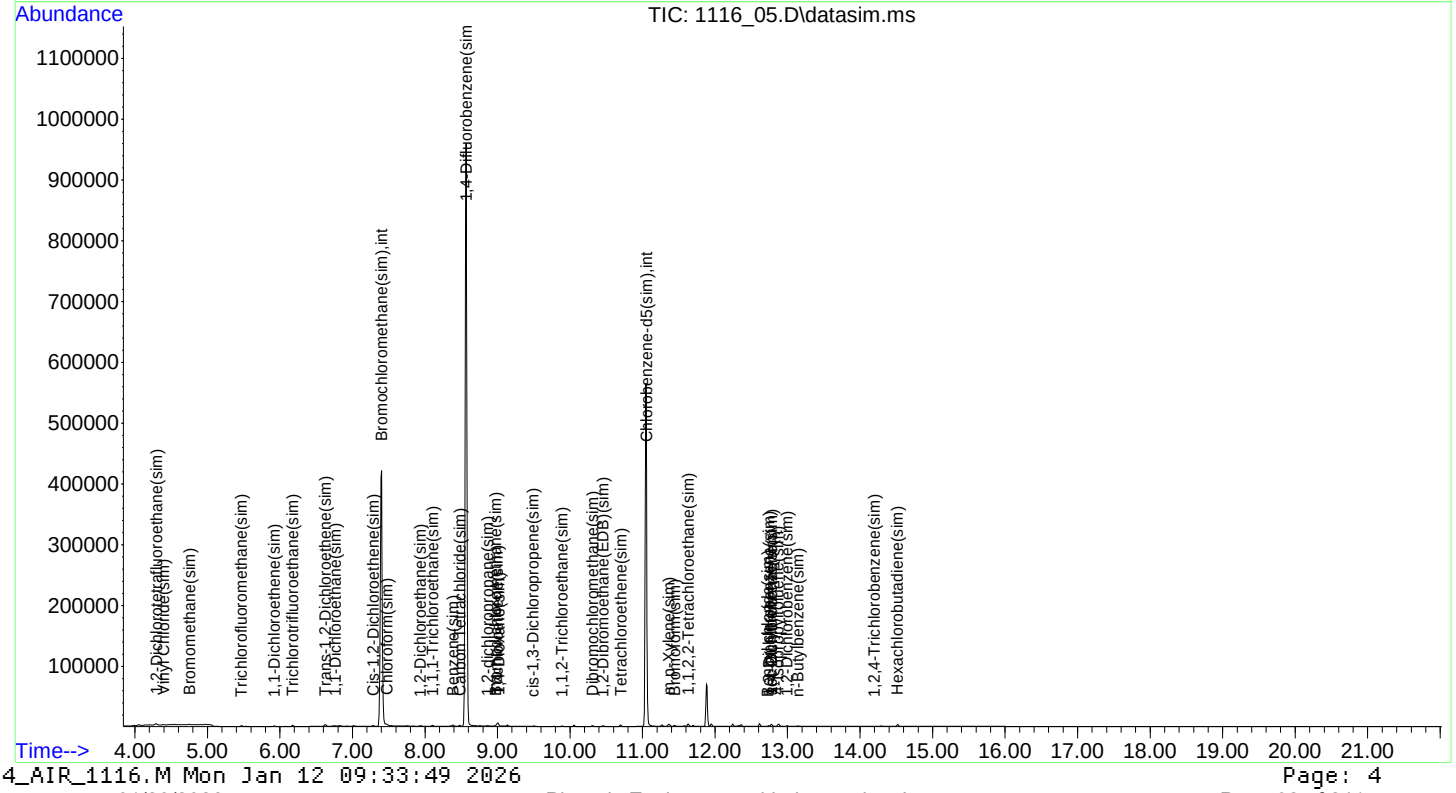
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_05.D
Acq On : 16 Nov 2025 3:06 pm
Operator : Keith
Client ID : ICAL 0.02
Lab ID : 0.02 (80cc -1) ; TO1515
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 10:11:47 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_05.D
Acq On : 16 Nov 2025 3:06 pm
Operator : Keith
Client ID : ICAL 0.02
Lab ID : 0.02 (80cc -1) ; TO1515
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 10:11:47 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	235147	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	849540	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	390597	10.000	ng		0.00
80) Bromochloromethane(sim)	7.401	130	264125	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	849540	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	390597	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	480061	9.451	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.50%				
Target Compounds							Qvalue
2) Propylene	3.987	41	1128	0.069	ppbv#		86
3) Dichlorodifluoromethane	4.054	85	1327	0.021	ppbv#		76
4) Chloromethane	4.186	50	806	0.042	ppbv#		42
5) 1,2-Dichlorotetrafluor...	4.294	85	1223	0.018	ppbv#		69
6) Vinyl Chloride	4.402	62	438	0.018	ppbv#		44
7) 1,3-Butadiene	4.518	54	376	0.023	ppbv#		66
8) Bromomethane	4.734	94	962	0.036	ppbv		92
9) Chloroethane	4.883	64	159	0.014	ppbv#		1
11) Ethanol	4.982	45	686	0.101	ppbv#		46
12) Acetone	5.343	43	3033	0.093	ppbv#		88
13) Trichlorofluoromethane	5.472	101	1116	0.017	ppbv#		87
14) Isopropylalcohol	5.521	45	2526	0.065	ppbv#		78
15) Acrylonitrile	5.668	53	213	0.016	ppbv#		37
16) 1,1-Dichloroethene	5.920	61	649	0.017	ppbv#		7
17) Methylene Chloride	5.997	49	1598	0.057	ppbv#		69
20) Carbon Disulfide	6.224	76	1420	0.019	ppbv#		76
21) Trichlorotrifluoroethane	6.170	101	855	0.015	ppbv#		83
22) Trans-1,2-Dichloroethene	6.627	61	1355	0.039	ppbv#		61
23) 1,1-Dichloroethane	6.749	63	928	0.020	ppbv#		63
24) Methyl tert-butyl ethe...	6.814	73	1348	0.021	ppbv#		71
25) Methyl Ethyl Ketone	7.016	43	1066	0.024	ppbv#		81
26) Cis-1,2-Dichloroethene	7.292	61	683	0.020	ppbv#		69
27) Hexane	7.406	57	670	0.019	ppbv#		94
28) Chloroform	7.479	83	1238	0.022	ppbv#		74
29) Ethyl acetate	0.000	61	0	0.000	ppbv		0
30) Tetrahydrofuran	7.754	42	296	0.013	ppbv#		71
31) 1,2-Dichloroethane	7.949	62	688	0.021	ppbv#		64
32) 1,1,1-Trichloroethane	8.103	97	1056	0.019	ppbv#		88
33) Benzene	8.392	78	2106	0.027	ppbv#		82
34) Carbon Tetrachloride	8.478	117	1060	0.018	ppbv		87
35) Cyclohexane	8.556	84	2019	0.060	ppbv#		43
37) 1,2-dichloropropane	8.868	63	468	0.016	ppbv#		80
38) Bromodichloromethane	8.980	83	1016	0.016	ppbv		84
39) Trichloroethene	8.997	130	992	0.024	ppbv#		79
40) 2,2,4-trimethylpentane	9.006	57	1992	0.017	ppbv#		94
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv		0
43) Heptane	9.144	43	672	0.017	ppbv#		79
44) cis-1,3-Dichloropropene	9.493	75	1008	0.018	ppbv#		58
45) 4-Methyl-2-pentanone(M...	9.521	43	514	0.009	ppbv#		50
46) trans-1,3-Dichloropropene	9.774	75	517	0.014	ppbv#		44
47) 1,1,2-Trichloroethane	9.894	97	554	0.016	ppbv		93
48) Toluene	10.056	91	1775	0.019	ppbv#		92

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_05.D
Acq On : 16 Nov 2025 3:06 pm
Operator : Keith
Client ID : ICAL 0.02
Lab ID : 0.02 (80cc -1) ; TO1515
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 10:11:47 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	1236	0.018	ppbv#	88
50)	2-Hexanone(MBK)	0.000	43	0	0.000	ppbv	0
51)	1,2-Dibromoethane(EDB)	10.450	107	1053	0.018	ppbv	80
52)	Tetrachloroethene	10.696	166	1063	0.020	ppbv	95
54)	1,1,1,2-Tetrachloroethane	11.059	131	756	0.017	ppbv#	49
55)	Chlorobenzene	11.074	112	1595	0.021	ppbv#	1
56)	Ethylbenzene	11.263	91	2210	0.020	ppbv	78
57)	m,p-Xylene	11.362	91	3034	0.036	ppbv	97
58)	Bromoform	11.445	173	904	0.013	ppbv	98
59)	Styrene	11.574	104	804	0.013	ppbv#	48
60)	1,1,2,2-Tetrachloroethane	11.627	83	1420	0.019	ppbv	90
61)	o-Xylene	11.627	91	1667	0.018	ppbv#	93
64)	Isopropylbenzene	11.946	105	2442	0.019	ppbv	97
66)	4-Ethyltoluene	12.328	105	1723	0.014	ppbv#	68
67)	1,3,5-Trimethylbenzene	12.359	105	1812	0.018	ppbv	98
68)	1,2,4-Trimethylbenzene	12.615	105	1119	0.011	ppbv#	84
70)	Benzyl chloride	12.732	91	76	0.001	ppbv#	58
71)	1,3-Dichlorobenzene	12.740	146	770	0.010	ppbv#	83
72)	1,4-Dichlorobenzene	12.779	146	685	0.010	ppbv#	74
73)	sec-Butylbenzene	12.779	105	2011	0.013	ppbv#	83
74)	4-Isopropyltoluene	12.872	119	2070	0.014	ppbv#	91
75)	1,2-Dichlorobenzene	12.996	146	877	0.012	ppbv#	81
76)	n-Butylbenzene	13.136	91	855	0.007	ppbv#	73
77)	1,2,4-Trichlorobenzene	0.000	180	0	0.000	ppbv	0
78)	Naphthalene	14.302	128	603	0.006	ppbv#	70
79)	Hexachlorobutadiene	14.520	225	1251	0.020	ppbv	96
81]	1,2-Dichlorotetrafluor...	4.294	85	1223	0.018	ppbv#	69
82]	Vinyl Chloride(sim)	4.396	62	537	0.021	ppbv	91
83]	Bromomethane(sim)	4.753	94	556m	0.020	ppbv	92
84]	Trichlorofluoromethane...	5.469	101	1393	0.019	ppbv#	94
85]	1,2-Dichloroethane(sim)	7.936	62	680m	0.020	ppbv	64
86]	1,1,1-Trichloroethane(...	8.106	97	1151	0.019	ppbv#	97
87]	Benzene(sim)	8.386	78	2239m	0.027	ppbv	82
88]	Carbon Tetrachloride(sim)	8.481	117	1111	0.018	ppbv	97
89]	1,1-Dichloroethene(sim)	5.923	61	812m	0.020	ppbv	7
90]	Trichlorotrifluoroetha...	6.173	101	1190	0.019	ppbv#	94
91]	Trans-1,2-Dichloroethe...	6.622	61	1555m	0.045	ppbv	61
92]	1,1-Dichloroethane(sim)	6.760	63	909	0.018	ppbv#	90
93]	Cis-1,2-Dichloroethene...	7.287	61	725m	0.021	ppbv	69
94]	Chloroform(sim)	7.473	83	1441	0.021	ppbv	96
96]	1,2-dichloropropane(sim)	8.862	63	657	0.020	ppbv#	90
97]	Bromodichloromethane(sim)	8.974	83	1281m	0.021	ppbv	85
98]	Trichloroethene(sim)	9.000	130	1224	0.023	ppbv	99
99]	1,4-Dioxane(sim)	9.018	88	312m	0.020	ppbv	0
100]	cis-1,3-Dichloropropen...	9.489	75	979	0.019	ppbv	94
101]	1,1,2-Trichloroethane(...	9.890	97	715m	0.020	ppbv	93
102]	Dibromochloromethane(sim)	10.312	129	1280	0.018	ppbv	98
103]	1,2-Dibromoethane(EDB)...	10.453	107	1008m	0.018	ppbv	73
104]	Tetrachloroethene(sim)	10.699	166	1334	0.021	ppbv	94
106]	Bromoform(sim)	11.441	173	1238	0.018	ppbv	99
107]	m,p-Xylene(sim)	11.365	91	3592m	0.041	ppbv	97
108]	1,1,2,2-Tetrachloroeth...	11.630	83	1441	0.017	ppbv	99
109]	Benzyl chloride(sim)	12.727	91	381m	0.005	ppbv	58
110]	1,3-Dichlorobenzene(sim)	12.743	146	848	0.010	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.782	146	924m	0.013	ppbv	74

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_05.D
Acq On : 16 Nov 2025 3:06 pm
Operator : Keith
Client ID : ICAL 0.02
Lab ID : 0.02 (80cc -1) ; TO1515
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 10:11:47 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

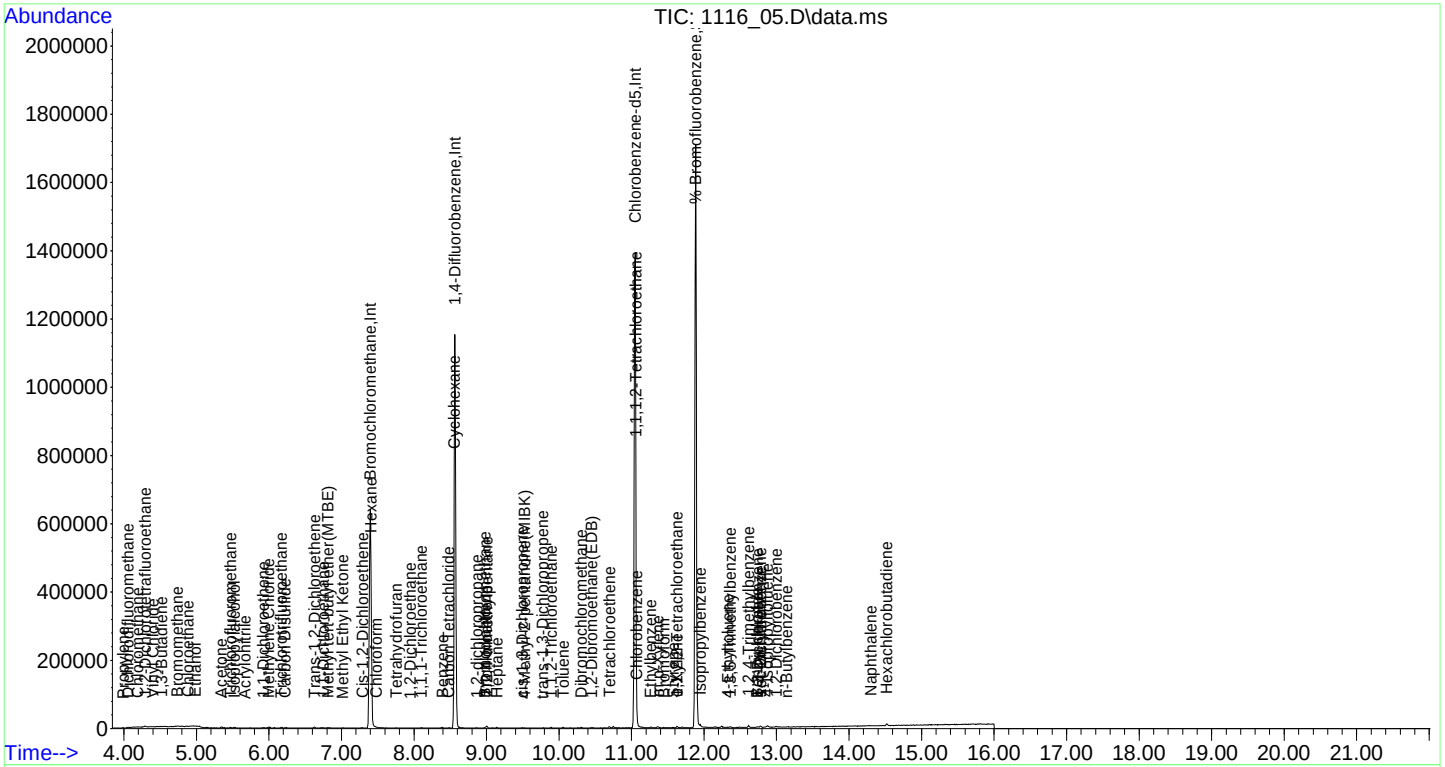
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	2416	0.015	ppbv	99
113] 4-Isopropyltoluene(sim)	12.867	119	2353m	0.016	ppbv	91
114] 1,2-Dichlorobenzene(sim)	12.991	146	1184	0.016	ppbv	99
115] n-Butylbenzene(sim)	13.139	91	1154m	0.009	ppbv	73
116] 1,2,4-Trichlorobenzene...	14.197	180	461	0.030	ppbv	87
118] Hexachlorobutadiene(sim)	14.515	225	1702	0.021	ppbv	96

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_05.D
Acq On : 16 Nov 2025 3:06 pm
Operator : Keith
Client ID : ICAL 0.02
Lab ID : 0.02 (80cc -1) ; TO1515
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 10:11:47 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_06.D
Acq On : 16 Nov 2025 3:45 pm
Operator : Keith
Client ID : ICAL 0.035
Lab ID : 0.035 (140cc -1) ; TO1515
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 17 10:13:09 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.397	130	232751	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	821514	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	381356	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	259133	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	821514	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	381356	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	474840	9.574	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.70%			
Target Compounds							Qvalue
2) Propylene	3.987	41	1380	0.085	ppbv#		85
3) Dichlorodifluoromethane	4.053	85	2051	0.033	ppbv#		90
4) Chloromethane	4.194	50	1062	0.056	ppbv		76
5) 1,2-Dichlorotetrafluor...	4.286	85	2171	0.033	ppbv#		89
6) Vinyl Chloride	4.402	62	741	0.032	ppbv		82
7) 1,3-Butadiene	4.509	54	820	0.051	ppbv#		80
8) Bromomethane	4.750	94	1250	0.048	ppbv#		71
9) Chloroethane	4.883	64	416	0.037	ppbv#		15
11) Ethanol	4.974	45	1399	0.208	ppbv#		11
12) Acetone	5.349	43	4079	0.126	ppbv		93
13) Trichlorofluoromethane	5.466	101	2285	0.035	ppbv		98
14) Isopropylalcohol	5.527	45	3698	0.096	ppbv#		85
15) Acrylonitrile	5.674	53	305	0.023	ppbv#		72
16) 1,1-Dichloroethene	5.920	61	1188	0.031	ppbv#		56
17) Methylene Chloride	5.997	49	2100	0.075	ppbv#		74
20) Carbon Disulfide	6.229	76	2455	0.033	ppbv#		90
21) Trichlorotrifluoroethane	6.170	101	1837	0.032	ppbv		88
22) Trans-1,2-Dichloroethene	6.619	61	2530	0.074	ppbv#		80
23) 1,1-Dichloroethane	6.757	63	1527	0.034	ppbv		90
24) Methyl tert-butyl ethe...	6.805	73	2107	0.033	ppbv#		79
25) Methyl Ethyl Ketone	7.016	43	1722	0.039	ppbv#		89
26) Cis-1,2-Dichloroethene	7.284	61	1080	0.032	ppbv#		76
27) Hexane	7.406	57	1208	0.035	ppbv#		84
28) Chloroform	7.470	83	2120	0.037	ppbv		93
29) Ethyl acetate	7.406	61	89	0.011	ppbv#		31
30) Tetrahydrofuran	7.754	42	709	0.032	ppbv#		91
31) 1,2-Dichloroethane	7.941	62	1054	0.033	ppbv		92
32) 1,1,1-Trichloroethane	8.103	97	1888	0.034	ppbv		89
33) Benzene	8.383	78	3350	0.043	ppbv		96
34) Carbon Tetrachloride	8.478	117	1632	0.028	ppbv		93
35) Cyclohexane	8.556	84	2385	0.071	ppbv#		68
37) 1,2-dichloropropane	8.867	63	859	0.031	ppbv#		86
38) Bromodichloromethane	8.980	83	1867	0.031	ppbv		92
39) Trichloroethene	8.997	130	2131	0.054	ppbv		88
40) 2,2,4-trimethylpentane	9.006	57	3360	0.030	ppbv#		91
41) 1,4-Dioxane	9.023	88	357	0.022	ppbv		93
43) Heptane	9.136	43	1198	0.031	ppbv#		79
44) cis-1,3-Dichloropropene	9.493	75	1763	0.033	ppbv		84
45) 4-Methyl-2-pentanone(M...	9.507	43	1325	0.024	ppbv#		73
46) trans-1,3-Dichloropropene	9.781	75	1011	0.028	ppbv#		74
47) 1,1,2-Trichloroethane	9.894	97	1029	0.030	ppbv		96
48) Toluene	10.056	91	2967	0.033	ppbv#		92

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_06.D
Acq On : 16 Nov 2025 3:45 pm
Operator : Keith
Client ID : ICAL 0.035
Lab ID : 0.035 (140cc -1) ; TO1515
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 17 10:13:09 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	2020	0.031	ppbv#	96
50)	2-Hexanone(MBK)	10.217	43	136	0.003	ppbv#	38
51)	1,2-Dibromoethane(EDB)	10.457	107	1790	0.031	ppbv	88
52)	Tetrachloroethene	10.696	166	1922	0.037	ppbv	91
54)	1,1,1,2-Tetrachloroethane	11.058	131	1415	0.032	ppbv	98
55)	Chlorobenzene	11.074	112	2658	0.035	ppbv#	1
56)	Ethylbenzene	11.263	91	3997	0.036	ppbv	89
57)	m,p-Xylene	11.369	91	5370	0.065	ppbv	89
58)	Bromoform	11.445	173	1812	0.027	ppbv	96
59)	Styrene	11.574	104	1459	0.023	ppbv#	84
60)	1,1,2,2-Tetrachloroethane	11.627	83	2247	0.030	ppbv#	90
61)	o-Xylene	11.627	91	2490	0.028	ppbv#	95
64)	Isopropylbenzene	11.946	105	4200	0.033	ppbv#	96
66)	4-Ethyltoluene	12.328	105	2735	0.022	ppbv#	93
67)	1,3,5-Trimethylbenzene	12.359	105	3133	0.031	ppbv	90
68)	1,2,4-Trimethylbenzene	12.615	105	2172	0.021	ppbv	98
70)	Benzyl chloride	12.732	91	608	0.009	ppbv#	58
71)	1,3-Dichlorobenzene	12.732	146	1363	0.019	ppbv#	93
72)	1,4-Dichlorobenzene	12.778	146	1230	0.018	ppbv#	91
73)	sec-Butylbenzene	12.778	105	3730	0.024	ppbv#	97
74)	4-Isopropyltoluene	12.864	119	3299	0.023	ppbv#	92
75)	1,2-Dichlorobenzene	12.996	146	1698	0.024	ppbv	91
76)	n-Butylbenzene	13.136	91	1567	0.014	ppbv#	84
77)	1,2,4-Trichlorobenzene	0.000	180	0	0.000	ppbv	0
78)	Naphthalene	14.287	128	627	0.006	ppbv#	70
79)	Hexachlorobutadiene	14.520	225	1944	0.031	ppbv	94
81]	1,2-Dichlorotetrafluor...	4.286	85	2171	0.033	ppbv#	89
82]	Vinyl Chloride(sim)	4.396	62	843m	0.033	ppbv	87
83]	Bromomethane(sim)	4.745	94	1056m	0.038	ppbv	71
84]	Trichlorofluoromethane...	5.469	101	2433	0.034	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.944	62	1235m	0.037	ppbv	92
86]	1,1,1-Trichloroethane(...	8.106	97	2004	0.033	ppbv#	96
87]	Benzene(sim)	8.383	78	3350	0.041	ppbv	96
88]	Carbon Tetrachloride(sim)	8.481	117	1883	0.032	ppbv	99
89]	1,1-Dichloroethene(sim)	5.923	61	1456m	0.037	ppbv	68
90]	Trichlorotrifluoroetha...	6.173	101	2036	0.033	ppbv#	94
91]	Trans-1,2-Dichloroethe...	6.622	61	2808m	0.083	ppbv	80
92]	1,1-Dichloroethane(sim)	6.760	63	1596	0.033	ppbv#	95
93]	Cis-1,2-Dichloroethene...	7.287	61	1206m	0.035	ppbv	76
94]	Chloroform(sim)	7.473	83	2227	0.034	ppbv	98
96]	1,2-dichloropropane(sim)	8.862	63	1093	0.035	ppbv#	84
97]	Bromodichloromethane(sim)	8.980	83	1867	0.031	ppbv	98
98]	Trichloroethene(sim)	9.000	130	2146	0.042	ppbv	97
99]	1,4-Dioxane(sim)	9.017	88	511m	0.034	ppbv	93
100]	cis-1,3-Dichloropropen...	9.488	75	1588	0.031	ppbv	97
101]	1,1,2-Trichloroethane(...	9.890	97	1210m	0.035	ppbv	96
102]	Dibromochloromethane(sim)	10.312	129	2187	0.032	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.453	107	1876m	0.034	ppbv	88
104]	Tetrachloroethene(sim)	10.699	166	2217	0.036	ppbv	94
106]	Bromoform(sim)	11.440	173	2132	0.031	ppbv	99
107]	m,p-Xylene(sim)	11.369	91	5370	0.062	ppbv#	89
108]	1,1,2,2-Tetrachloroeth...	11.622	83	2508	0.031	ppbv	97
109]	Benzyl chloride(sim)	12.727	91	657m	0.010	ppbv	58
110]	1,3-Dichlorobenzene(sim)	12.735	146	1456	0.018	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.781	146	1623m	0.024	ppbv	91

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_06.D
Acq On : 16 Nov 2025 3:45 pm
Operator : Keith
Client ID : ICAL 0.035
Lab ID : 0.035 (140cc -1) ; TO1515
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 17 10:13:09 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

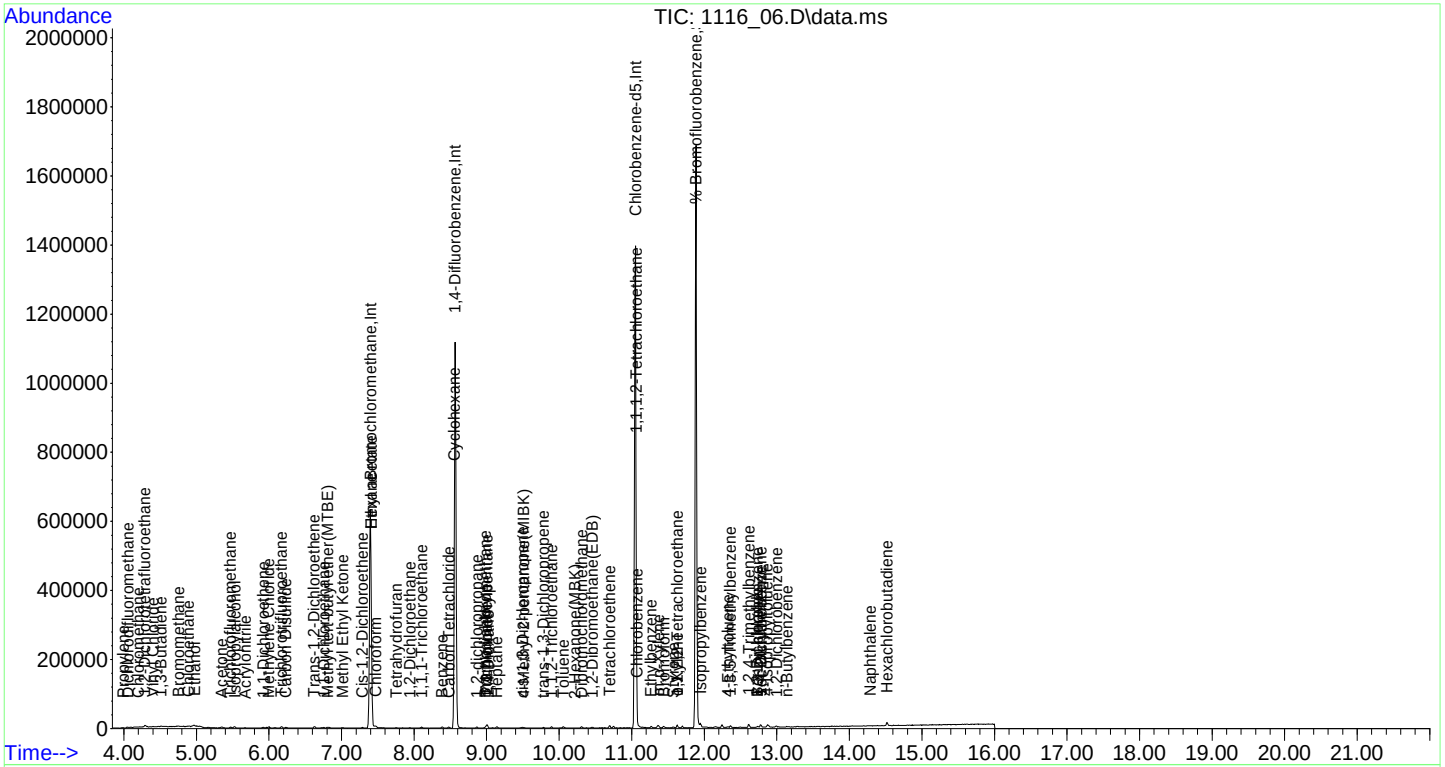
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	4112	0.027	ppbv	97
113] 4-Isopropyltoluene(sim)	12.864	119	3299	0.024	ppbv#	92
114] 1,2-Dichlorobenzene(sim)	12.991	146	1876	0.026	ppbv	97
115] n-Butylbenzene(sim)	13.139	91	1864m	0.015	ppbv	84
116] 1,2,4-Trichlorobenzene...	14.189	180	438	0.029	ppbv	95
118] Hexachlorobutadiene(sim)	14.523	225	2474	0.031	ppbv	99

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_06.D
Acq On : 16 Nov 2025 3:45 pm
Operator : Keith
Client ID : ICAL 0.035
Lab ID : 0.035 (140cc -1) ; TO1515
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 17 10:13:09 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
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Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_06.D
Acq On : 16 Nov 2025 3:45 pm
Operator : Keith
Client ID : ICAL 0.035
Lab ID : 0.035 (140cc -1) ; TO1515
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 17 10:13:09 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.397	130	232751	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	821514	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	381356	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	259133	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	821514	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	381356	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	474840	9.574	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.70%				
Target Compounds							Qvalue
2) Propylene	3.987	41	1380	0.085	ppbv#		85
3) Dichlorodifluoromethane	4.053	85	2051	0.033	ppbv#		90
4) Chloromethane	4.194	50	1062	0.056	ppbv		76
5) 1,2-Dichlorotetrafluor...	4.286	85	2171	0.033	ppbv#		89
6) Vinyl Chloride	4.402	62	741	0.032	ppbv		82
7) 1,3-Butadiene	4.509	54	820	0.051	ppbv#		80
8) Bromomethane	4.750	94	1250	0.048	ppbv#		71
9) Chloroethane	4.883	64	416	0.037	ppbv#		15
11) Ethanol	4.974	45	1399	0.208	ppbv#		11
12) Acetone	5.349	43	4079	0.126	ppbv		93
13) Trichlorofluoromethane	5.466	101	2285	0.035	ppbv		98
14) Isopropylalcohol	5.527	45	3698	0.096	ppbv#		85
15) Acrylonitrile	5.674	53	305	0.023	ppbv#		72
16) 1,1-Dichloroethene	5.920	61	1188	0.031	ppbv#		56
17) Methylene Chloride	5.997	49	2100	0.075	ppbv#		74
20) Carbon Disulfide	6.229	76	2455	0.033	ppbv#		90
21) Trichlorotrifluoroethane	6.170	101	1837	0.032	ppbv		88
22) Trans-1,2-Dichloroethene	6.619	61	2530	0.074	ppbv#		80
23) 1,1-Dichloroethane	6.757	63	1527	0.034	ppbv		90
24) Methyl tert-butyl ethe...	6.805	73	2107	0.033	ppbv#		79
25) Methyl Ethyl Ketone	7.016	43	1722	0.039	ppbv#		89
26) Cis-1,2-Dichloroethene	7.284	61	1080	0.032	ppbv#		76
27) Hexane	7.406	57	1208	0.035	ppbv#		84
28) Chloroform	7.470	83	2120	0.037	ppbv		93
29) Ethyl acetate	7.406	61	89	0.011	ppbv#		31
30) Tetrahydrofuran	7.754	42	709	0.032	ppbv#		91
31) 1,2-Dichloroethane	7.941	62	1054	0.033	ppbv		92
32) 1,1,1-Trichloroethane	8.103	97	1888	0.034	ppbv		89
33) Benzene	8.383	78	3350	0.043	ppbv		96
34) Carbon Tetrachloride	8.478	117	1632	0.028	ppbv		93
35) Cyclohexane	8.556	84	2385	0.071	ppbv#		68
37) 1,2-dichloropropane	8.867	63	859	0.031	ppbv#		86
38) Bromodichloromethane	8.980	83	1867	0.031	ppbv		92
39) Trichloroethene	8.997	130	2131	0.054	ppbv		88
40) 2,2,4-trimethylpentane	9.006	57	3360	0.030	ppbv#		91
41) 1,4-Dioxane	9.023	88	357	0.022	ppbv		93
43) Heptane	9.136	43	1198	0.031	ppbv#		79
44) cis-1,3-Dichloropropene	9.493	75	1763	0.033	ppbv		84
45) 4-Methyl-2-pentanone(M...	9.507	43	1325	0.024	ppbv#		73
46) trans-1,3-Dichloropropene	9.781	75	1011	0.028	ppbv#		74
47) 1,1,2-Trichloroethane	9.894	97	1029	0.030	ppbv		96
48) Toluene	10.056	91	2967	0.033	ppbv#		92

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_06.D
Acq On : 16 Nov 2025 3:45 pm
Operator : Keith
Client ID : ICAL 0.035
Lab ID : 0.035 (140cc -1) ; TO1515
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 17 10:13:09 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	2020	0.031	ppbv#	96
50)	2-Hexanone(MBK)	10.217	43	136	0.003	ppbv#	38
51)	1,2-Dibromoethane(EDB)	10.457	107	1790	0.031	ppbv	88
52)	Tetrachloroethene	10.696	166	1922	0.037	ppbv	91
54)	1,1,1,2-Tetrachloroethane	11.058	131	1415	0.032	ppbv	98
55)	Chlorobenzene	11.074	112	2658	0.035	ppbv#	1
56)	Ethylbenzene	11.263	91	3997	0.036	ppbv	89
57)	m,p-Xylene	11.369	91	5370	0.065	ppbv	89
58)	Bromoform	11.445	173	1812	0.027	ppbv	96
59)	Styrene	11.574	104	1459	0.023	ppbv#	84
60)	1,1,2,2-Tetrachloroethane	11.627	83	2247	0.030	ppbv#	90
61)	o-Xylene	11.627	91	2490	0.028	ppbv#	95
64)	Isopropylbenzene	11.946	105	4200	0.033	ppbv#	96
66)	4-Ethyltoluene	12.328	105	2735	0.022	ppbv#	93
67)	1,3,5-Trimethylbenzene	12.359	105	3133	0.031	ppbv	90
68)	1,2,4-Trimethylbenzene	12.615	105	2172	0.021	ppbv	98
70)	Benzyl chloride	12.732	91	608	0.009	ppbv#	58
71)	1,3-Dichlorobenzene	12.732	146	1363	0.019	ppbv#	93
72)	1,4-Dichlorobenzene	12.778	146	1230	0.018	ppbv#	91
73)	sec-Butylbenzene	12.778	105	3730	0.024	ppbv#	97
74)	4-Isopropyltoluene	12.864	119	3299	0.023	ppbv#	92
75)	1,2-Dichlorobenzene	12.996	146	1698	0.024	ppbv	91
76)	n-Butylbenzene	13.136	91	1567	0.014	ppbv#	84
77)	1,2,4-Trichlorobenzene	0.000	180	0	0.000	ppbv	0
78)	Naphthalene	14.287	128	627	0.006	ppbv#	70
79)	Hexachlorobutadiene	14.520	225	1944	0.031	ppbv	94
81]	1,2-Dichlorotetrafluor...	4.286	85	2171	0.033	ppbv#	89
82]	Vinyl Chloride(sim)	4.396	62	843m	0.033	ppbv	87
83]	Bromomethane(sim)	4.745	94	1056m	0.038	ppbv	71
84]	Trichlorofluoromethane...	5.469	101	2433	0.034	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.944	62	1235m	0.037	ppbv	92
86]	1,1,1-Trichloroethane(...	8.106	97	2004	0.033	ppbv#	96
87]	Benzene(sim)	8.383	78	3350	0.041	ppbv	96
88]	Carbon Tetrachloride(sim)	8.481	117	1883	0.032	ppbv	99
89]	1,1-Dichloroethene(sim)	5.923	61	1456m	0.037	ppbv	68
90]	Trichlorotrifluoroetha...	6.173	101	2036	0.033	ppbv#	94
91]	Trans-1,2-Dichloroethe...	6.622	61	2808m	0.083	ppbv	80
92]	1,1-Dichloroethane(sim)	6.760	63	1596	0.033	ppbv#	95
93]	Cis-1,2-Dichloroethene...	7.287	61	1206m	0.035	ppbv	76
94]	Chloroform(sim)	7.473	83	2227	0.034	ppbv	98
96]	1,2-dichloropropane(sim)	8.862	63	1093	0.035	ppbv#	84
97]	Bromodichloromethane(sim)	8.980	83	1867	0.031	ppbv	98
98]	Trichloroethene(sim)	9.000	130	2146	0.042	ppbv	97
99]	1,4-Dioxane(sim)	9.017	88	511m	0.034	ppbv	93
100]	cis-1,3-Dichloropropen...	9.488	75	1588	0.031	ppbv	97
101]	1,1,2-Trichloroethane(...	9.890	97	1210m	0.035	ppbv	96
102]	Dibromochloromethane(sim)	10.312	129	2187	0.032	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.453	107	1876m	0.034	ppbv	88
104]	Tetrachloroethene(sim)	10.699	166	2217	0.036	ppbv	94
106]	Bromoform(sim)	11.440	173	2132	0.031	ppbv	99
107]	m,p-Xylene(sim)	11.369	91	5370	0.062	ppbv#	89
108]	1,1,2,2-Tetrachloroeth...	11.622	83	2508	0.031	ppbv	97
109]	Benzyl chloride(sim)	12.727	91	657m	0.010	ppbv	58
110]	1,3-Dichlorobenzene(sim)	12.735	146	1456	0.018	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.781	146	1623m	0.024	ppbv	91

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_06.D
Acq On : 16 Nov 2025 3:45 pm
Operator : Keith
Client ID : ICAL 0.035
Lab ID : 0.035 (140cc -1) ; TO1515
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 17 10:13:09 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

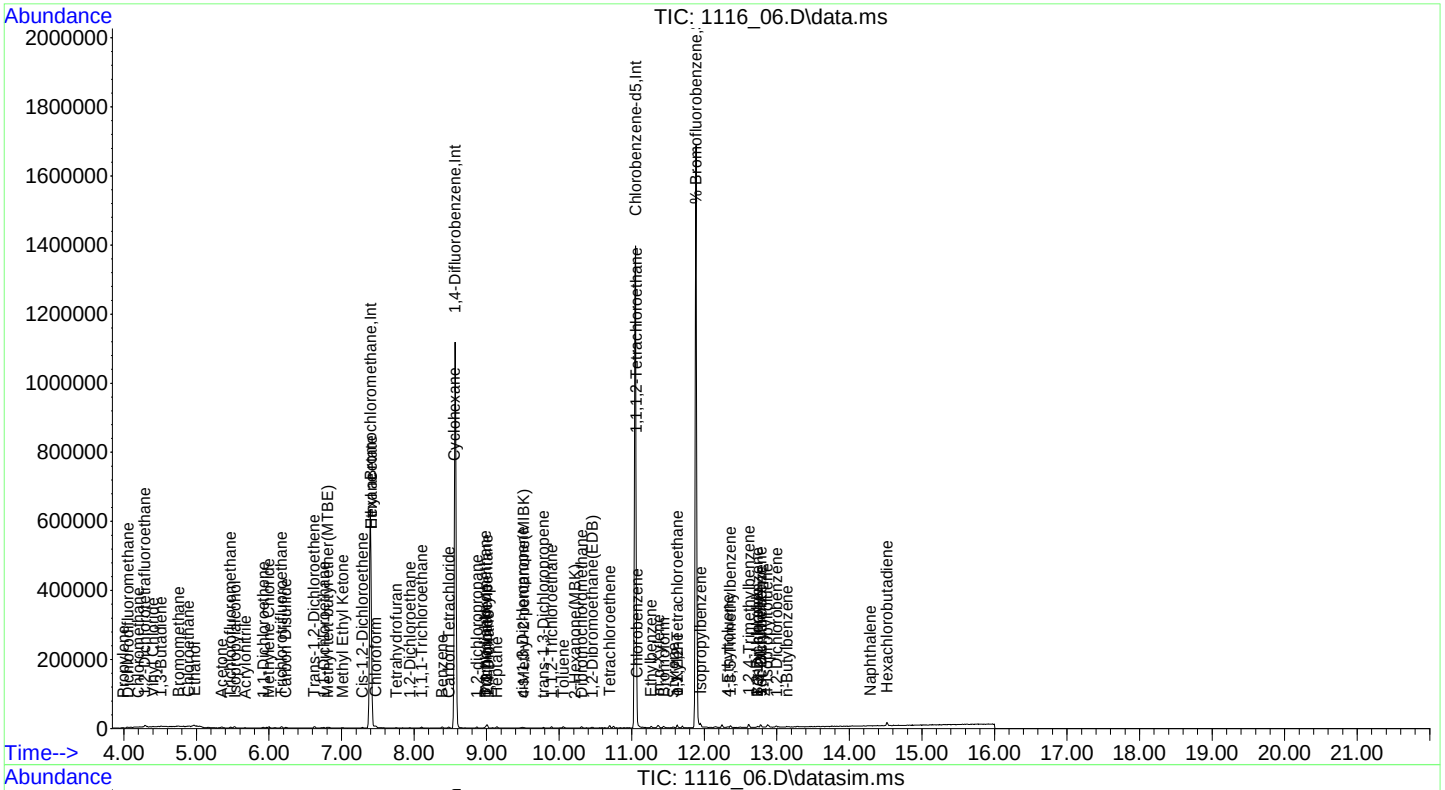
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	4112	0.027	ppbv	97
113] 4-Isopropyltoluene(sim)	12.864	119	3299	0.024	ppbv#	92
114] 1,2-Dichlorobenzene(sim)	12.991	146	1876	0.026	ppbv	97
115] n-Butylbenzene(sim)	13.139	91	1864m	0.015	ppbv	84
116] 1,2,4-Trichlorobenzene...	14.189	180	438	0.029	ppbv	95
118] Hexachlorobutadiene(sim)	14.523	225	2474	0.031	ppbv	99

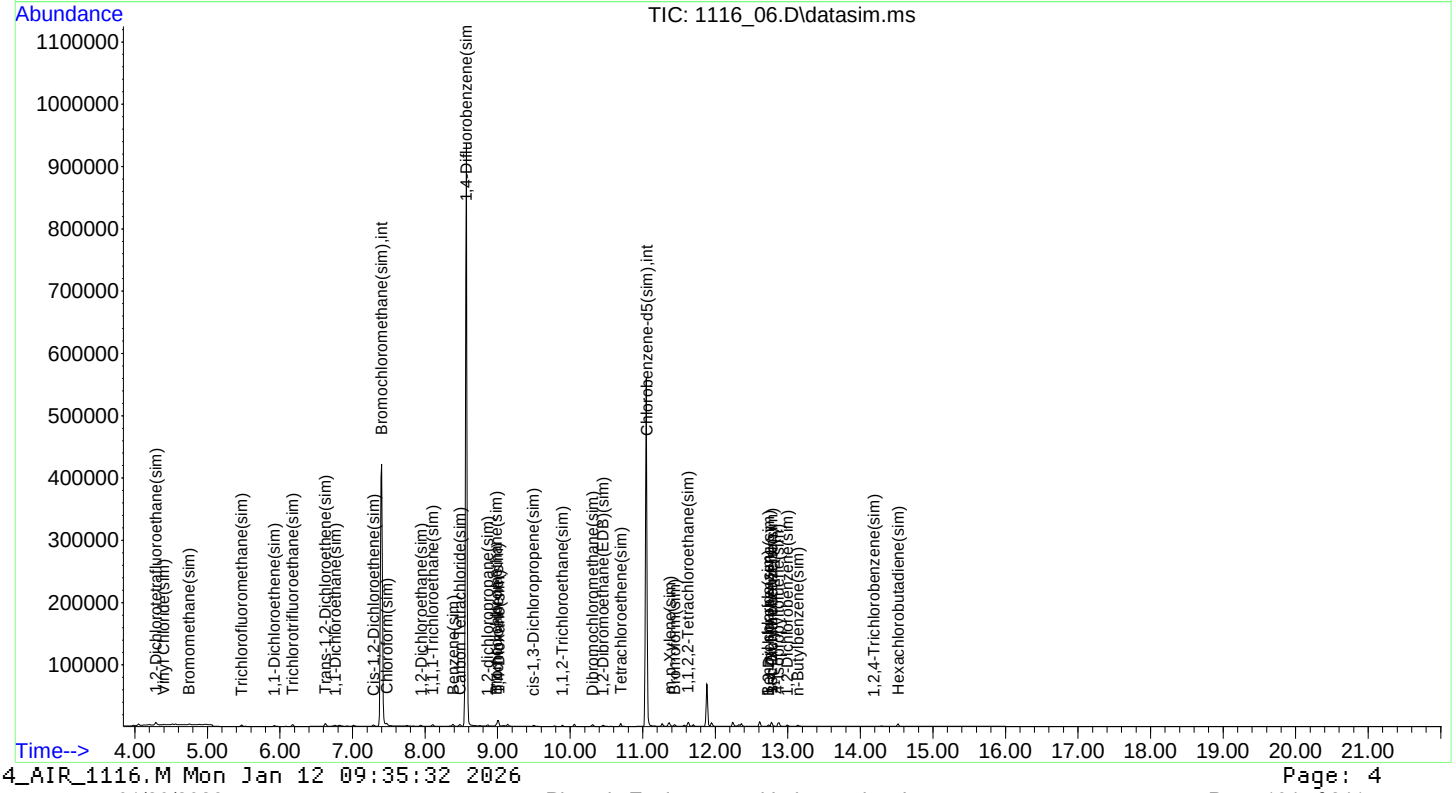
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_06.D
Acq On : 16 Nov 2025 3:45 pm
Operator : Keith
Client ID : ICAL 0.035
Lab ID : 0.035 (140cc -1) ; TO1515
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 17 10:13:09 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_07.D
Acq On : 16 Nov 2025 4:23 pm
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05 ppb ; TO1515
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 17 10:13:58 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	228938	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	799678	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	376734	10.000	ng		0.00
80) Bromochloromethane(sim)	7.401	130	254948	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	799312	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	376734	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	472519	9.644	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.40%			
Target Compounds							Qvalue
2) Propylene	3.979	41	1522	0.095	ppbv#		82
3) Dichlorodifluoromethane	4.045	85	2974	0.049	ppbv#		96
4) Chloromethane	4.195	50	1368	0.073	ppbv		98
5) 1,2-Dichlorotetrafluor...	4.286	85	3229	0.049	ppbv#		85
6) Vinyl Chloride	4.402	62	1188	0.051	ppbv		84
7) 1,3-Butadiene	4.526	54	1049	0.066	ppbv#		79
8) Bromomethane	4.742	94	1535	0.060	ppbv#		79
9) Chloroethane	4.874	64	734	0.067	ppbv#		51
11) Ethanol	4.974	45	1466	0.221	ppbv#		10
12) Acetone	5.350	43	5157	0.162	ppbv		92
13) Trichlorofluoromethane	5.472	101	3038	0.047	ppbv#		95
14) Isopropylalcohol	5.521	45	5151	0.136	ppbv#		74
15) Acrylonitrile	5.669	53	677	0.051	ppbv#		68
16) 1,1-Dichloroethene	5.920	61	1766	0.047	ppbv#		73
17) Methylene Chloride	5.997	49	2385	0.087	ppbv#		71
20) Carbon Disulfide	6.230	76	3596	0.050	ppbv#		85
21) Trichlorotrifluoroethane	6.170	101	2784	0.049	ppbv#		84
22) Trans-1,2-Dichloroethene	6.627	61	3696	0.110	ppbv#		82
23) 1,1-Dichloroethane	6.757	63	1875	0.042	ppbv		84
24) Methyl tert-butyl ethe...	6.806	73	3006	0.048	ppbv#		79
25) Methyl Ethyl Ketone	7.008	43	2508	0.058	ppbv#		85
26) Cis-1,2-Dichloroethene	7.292	61	1681	0.051	ppbv#		83
27) Hexane	7.414	57	1587	0.047	ppbv#		91
28) Chloroform	7.471	83	2792	0.050	ppbv		92
29) Ethyl acetate	7.414	61	230	0.028	ppbv#		1
30) Tetrahydrofuran	7.746	42	1051	0.049	ppbv#		91
31) 1,2-Dichloroethane	7.941	62	1346	0.043	ppbv		96
32) 1,1,1-Trichloroethane	8.103	97	2613	0.048	ppbv		94
33) Benzene	8.383	78	4054	0.053	ppbv#		86
34) Carbon Tetrachloride	8.478	117	2380	0.042	ppbv		93
35) Cyclohexane	8.556	84	2929	0.089	ppbv#		74
37) 1,2-dichloropropane	8.868	63	1485	0.054	ppbv#		93
38) Bromodichloromethane	8.980	83	2780	0.047	ppbv		94
39) Trichloroethene	9.006	130	2775	0.072	ppbv		92
40) 2,2,4-trimethylpentane	9.006	57	4688	0.043	ppbv#		92
41) 1,4-Dioxane	9.015	88	705	0.045	ppbv#		47
43) Heptane	9.136	43	1716	0.045	ppbv#		84
44) cis-1,3-Dichloropropene	9.486	75	2639	0.050	ppbv		92
45) 4-Methyl-2-pentanone(M...	9.507	43	1825	0.034	ppbv#		82
46) trans-1,3-Dichloropropene	9.781	75	1409	0.040	ppbv#		83
47) 1,1,2-Trichloroethane	9.887	97	1602	0.049	ppbv		94
48) Toluene	10.056	91	4122	0.047	ppbv#		94

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_07.D
Acq On : 16 Nov 2025 4:23 pm
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05 ppb ; TO1515
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 17 10:13:58 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.309	129	2669	0.041	ppbv	99
50) 2-Hexanone(MBK)	10.204	43	157	0.004	ppbv#	38
51) 1,2-Dibromoethane(EDB)	10.457	107	2351	0.042	ppbv	100
52) Tetrachloroethene	10.696	166	2661	0.053	ppbv	96
54) 1,1,1,2-Tetrachloroethane	11.059	131	2208	0.050	ppbv	95
55) Chlorobenzene	11.074	112	3861	0.052	ppbv#	1
56) Ethylbenzene	11.271	91	5284	0.049	ppbv	95
57) m,p-Xylene	11.362	91	8033	0.099	ppbv	94
58) Bromoform	11.445	173	2621	0.040	ppbv	95
59) Styrene	11.574	104	1886	0.031	ppbv#	86
60) 1,1,2,2-Tetrachloroethane	11.627	83	3283	0.045	ppbv#	88
61) o-Xylene	11.627	91	4142	0.047	ppbv	91
64) Isopropylbenzene	11.946	105	6077	0.049	ppbv	93
66) 4-Ethyltoluene	12.328	105	4282	0.035	ppbv	94
67) 1,3,5-Trimethylbenzene	12.359	105	4304	0.043	ppbv#	98
68) 1,2,4-Trimethylbenzene	12.615	105	3187	0.032	ppbv#	96
70) Benzyl chloride	12.716	91	1087	0.016	ppbv#	77
71) 1,3-Dichlorobenzene	12.732	146	1984	0.028	ppbv#	84
72) 1,4-Dichlorobenzene	12.771	146	1993	0.030	ppbv#	89
73) sec-Butylbenzene	12.779	105	5551	0.036	ppbv	98
74) 4-Isopropyltoluene	12.864	119	5225	0.038	ppbv	98
75) 1,2-Dichlorobenzene	12.989	146	2507	0.036	ppbv	92
76) n-Butylbenzene	13.136	91	2725	0.024	ppbv#	88
77) 1,2,4-Trichlorobenzene	14.186	180	243	0.005	ppbv#	39
78) Naphthalene	14.295	128	1095	0.011	ppbv#	70
79) Hexachlorobutadiene	14.520	225	3069	0.050	ppbv	93
81] 1,2-Dichlorotetrafluor...	4.286	85	3229	0.049	ppbv#	85
82] Vinyl Chloride(sim)	4.396	62	1228	0.049	ppbv	96
83] Bromomethane(sim)	4.745	94	1423m	0.052	ppbv	78
84] Trichlorofluoromethane...	5.469	101	3405	0.048	ppbv#	100
85] 1,2-Dichloroethane(sim)	7.936	62	1736m	0.053	ppbv	96
86] 1,1,1-Trichloroethane(...	8.106	97	2871	0.049	ppbv#	96
87] Benzene(sim)	8.383	78	4054	0.051	ppbv#	86
88] Carbon Tetrachloride(sim)	8.481	117	2793	0.048	ppbv	99
89] 1,1-Dichloroethene(sim)	5.923	61	2013m	0.052	ppbv	73
90] Trichlorotrifluoroetha...	6.173	101	2936	0.048	ppbv#	94
91] Trans-1,2-Dichloroethe...	6.627	61	3696	0.111	ppbv#	82
92] 1,1-Dichloroethane(sim)	6.760	63	2373	0.050	ppbv	96
93] Cis-1,2-Dichloroethene...	7.292	61	1681	0.050	ppbv#	83
94] Chloroform(sim)	7.474	83	3096	0.048	ppbv	98
96] 1,2-dichloropropane(sim)	8.862	63	1482	0.049	ppbv#	87
97] Bromodichloromethane(sim)	8.980	83	2780	0.048	ppbv	93
98] Trichloroethene(sim)	9.000	130	2957	0.060	ppbv	98
99] 1,4-Dioxane(sim)	9.018	88	721m	0.049	ppbv	47
100] cis-1,3-Dichloropropen...	9.489	75	2361	0.048	ppbv	96
101] 1,1,2-Trichloroethane(...	9.890	97	1729m	0.052	ppbv	94
102] Dibromochloromethane(sim)	10.312	129	3038	0.046	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.453	107	2716m	0.051	ppbv	100
104] Tetrachloroethene(sim)	10.699	166	3218	0.054	ppbv	94
106] Bromoform(sim)	11.441	173	3053	0.045	ppbv	99
107] m,p-Xylene(sim)	11.362	91	8033	0.095	ppbv	94
108] 1,1,2,2-Tetrachloroeth...	11.623	83	3611	0.045	ppbv	98
109] Benzyl chloride(sim)	12.719	91	1265m	0.019	ppbv	76
110] 1,3-Dichlorobenzene(sim)	12.735	146	2521	0.032	ppbv	96
111] 1,4-Dichlorobenzene(sim)	12.774	146	2259m	0.033	ppbv	89

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_07.D
Acq On : 16 Nov 2025 4:23 pm
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05 ppb ; TO1515
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 17 10:13:58 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

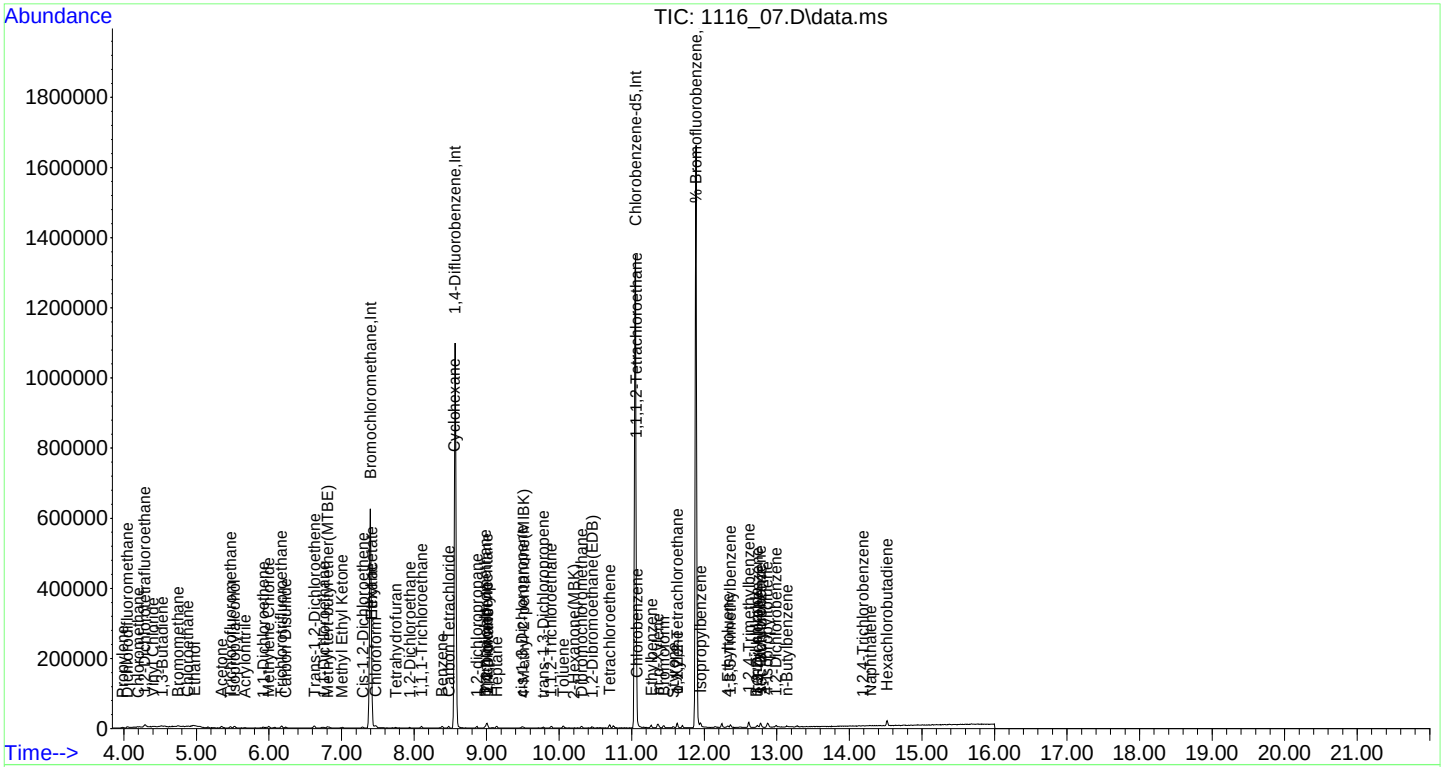
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	6068	0.040	ppbv	98
113] 4-Isopropyltoluene(sim)	12.864	119	5225	0.038	ppbv	98
114] 1,2-Dichlorobenzene(sim)	12.992	146	2982	0.042	ppbv	99
115] n-Butylbenzene(sim)	13.136	91	2725	0.021	ppbv	88
116] 1,2,4-Trichlorobenzene...	14.189	180	623	0.041	ppbv	99
118] Hexachlorobutadiene(sim)	14.523	225	3326	0.043	ppbv	98

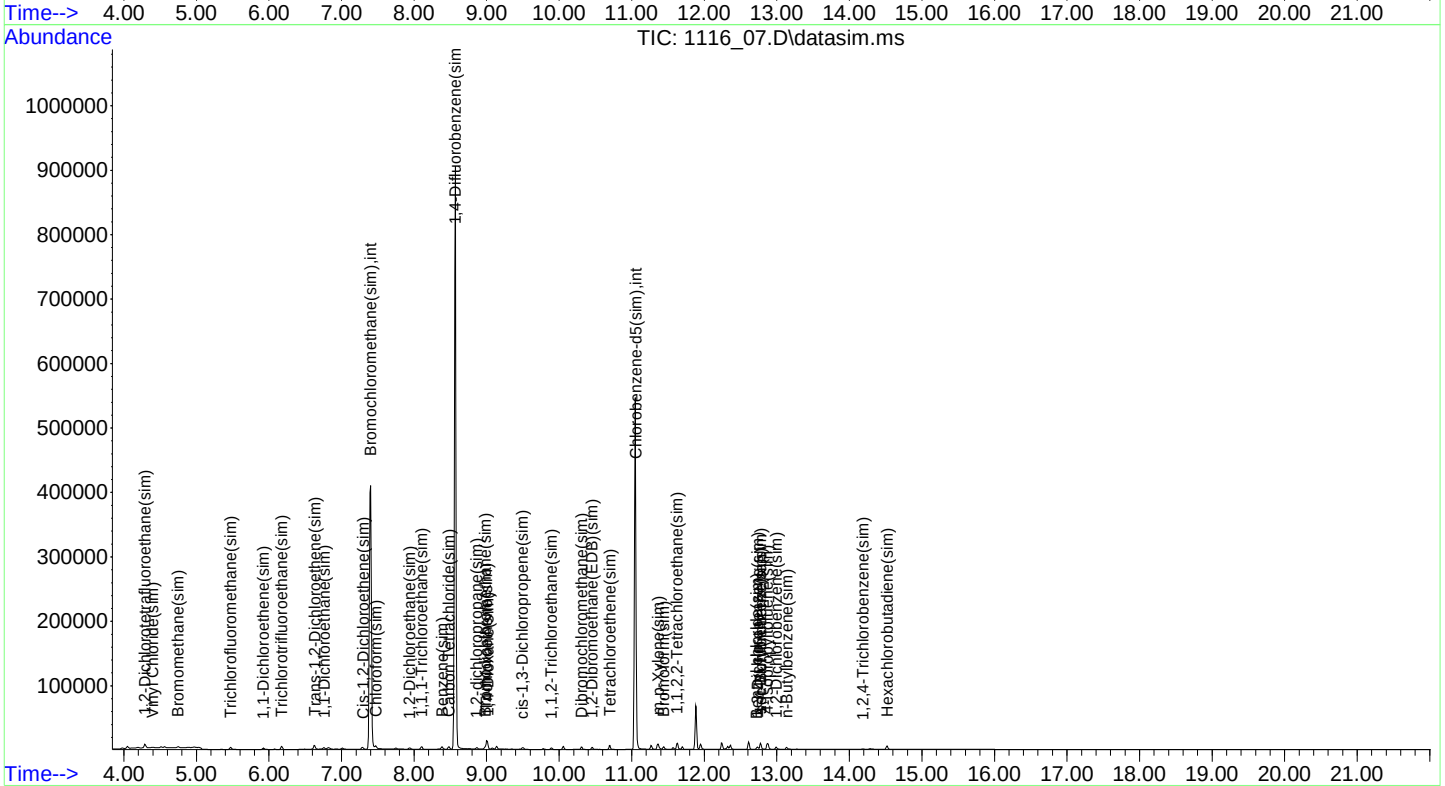
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_07.D
Acq On : 16 Nov 2025 4:23 pm
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05 ppb ; TO1515
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 17 10:13:58 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_07.D
Acq On : 16 Nov 2025 4:23 pm
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05 ppb ; TO1515
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 17 10:13:58 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	228938	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	799678	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	376734	10.000	ng		0.00
80) Bromochloromethane(sim)	7.401	130	254948	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	799312	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	376734	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	472519	9.644	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.40%			
Target Compounds							Qvalue
2) Propylene	3.979	41	1522	0.095	ppbv#		82
3) Dichlorodifluoromethane	4.045	85	2974	0.049	ppbv#		96
4) Chloromethane	4.195	50	1368	0.073	ppbv		98
5) 1,2-Dichlorotetrafluor...	4.286	85	3229	0.049	ppbv#		85
6) Vinyl Chloride	4.402	62	1188	0.051	ppbv		84
7) 1,3-Butadiene	4.526	54	1049	0.066	ppbv#		79
8) Bromomethane	4.742	94	1535	0.060	ppbv#		79
9) Chloroethane	4.874	64	734	0.067	ppbv#		51
11) Ethanol	4.974	45	1466	0.221	ppbv#		10
12) Acetone	5.350	43	5157	0.162	ppbv		92
13) Trichlorofluoromethane	5.472	101	3038	0.047	ppbv#		95
14) Isopropylalcohol	5.521	45	5151	0.136	ppbv#		74
15) Acrylonitrile	5.669	53	677	0.051	ppbv#		68
16) 1,1-Dichloroethene	5.920	61	1766	0.047	ppbv#		73
17) Methylene Chloride	5.997	49	2385	0.087	ppbv#		71
20) Carbon Disulfide	6.230	76	3596	0.050	ppbv#		85
21) Trichlorotrifluoroethane	6.170	101	2784	0.049	ppbv#		84
22) Trans-1,2-Dichloroethene	6.627	61	3696	0.110	ppbv#		82
23) 1,1-Dichloroethane	6.757	63	1875	0.042	ppbv		84
24) Methyl tert-butyl ethe...	6.806	73	3006	0.048	ppbv#		79
25) Methyl Ethyl Ketone	7.008	43	2508	0.058	ppbv#		85
26) Cis-1,2-Dichloroethene	7.292	61	1681	0.051	ppbv#		83
27) Hexane	7.414	57	1587	0.047	ppbv#		91
28) Chloroform	7.471	83	2792	0.050	ppbv		92
29) Ethyl acetate	7.414	61	230	0.028	ppbv#		1
30) Tetrahydrofuran	7.746	42	1051	0.049	ppbv#		91
31) 1,2-Dichloroethane	7.941	62	1346	0.043	ppbv		96
32) 1,1,1-Trichloroethane	8.103	97	2613	0.048	ppbv		94
33) Benzene	8.383	78	4054	0.053	ppbv#		86
34) Carbon Tetrachloride	8.478	117	2380	0.042	ppbv		93
35) Cyclohexane	8.556	84	2929	0.089	ppbv#		74
37) 1,2-dichloropropane	8.868	63	1485	0.054	ppbv#		93
38) Bromodichloromethane	8.980	83	2780	0.047	ppbv		94
39) Trichloroethene	9.006	130	2775	0.072	ppbv		92
40) 2,2,4-trimethylpentane	9.006	57	4688	0.043	ppbv#		92
41) 1,4-Dioxane	9.015	88	705	0.045	ppbv#		47
43) Heptane	9.136	43	1716	0.045	ppbv#		84
44) cis-1,3-Dichloropropene	9.486	75	2639	0.050	ppbv		92
45) 4-Methyl-2-pentanone(M...	9.507	43	1825	0.034	ppbv#		82
46) trans-1,3-Dichloropropene	9.781	75	1409	0.040	ppbv#		83
47) 1,1,2-Trichloroethane	9.887	97	1602	0.049	ppbv		94
48) Toluene	10.056	91	4122	0.047	ppbv#		94

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_07.D
Acq On : 16 Nov 2025 4:23 pm
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05 ppb ; TO1515
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 17 10:13:58 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	2669	0.041	ppbv	99
50)	2-Hexanone(MBK)	10.204	43	157	0.004	ppbv#	38
51)	1,2-Dibromoethane(EDB)	10.457	107	2351	0.042	ppbv	100
52)	Tetrachloroethene	10.696	166	2661	0.053	ppbv	96
54)	1,1,1,2-Tetrachloroethane	11.059	131	2208	0.050	ppbv	95
55)	Chlorobenzene	11.074	112	3861	0.052	ppbv#	1
56)	Ethylbenzene	11.271	91	5284	0.049	ppbv	95
57)	m,p-Xylene	11.362	91	8033	0.099	ppbv	94
58)	Bromoform	11.445	173	2621	0.040	ppbv	95
59)	Styrene	11.574	104	1886	0.031	ppbv#	86
60)	1,1,2,2-Tetrachloroethane	11.627	83	3283	0.045	ppbv#	88
61)	o-Xylene	11.627	91	4142	0.047	ppbv	91
64)	Isopropylbenzene	11.946	105	6077	0.049	ppbv	93
66)	4-Ethyltoluene	12.328	105	4282	0.035	ppbv	94
67)	1,3,5-Trimethylbenzene	12.359	105	4304	0.043	ppbv#	98
68)	1,2,4-Trimethylbenzene	12.615	105	3187	0.032	ppbv#	96
70)	Benzyl chloride	12.716	91	1087	0.016	ppbv#	77
71)	1,3-Dichlorobenzene	12.732	146	1984	0.028	ppbv#	84
72)	1,4-Dichlorobenzene	12.771	146	1993	0.030	ppbv#	89
73)	sec-Butylbenzene	12.779	105	5551	0.036	ppbv	98
74)	4-Isopropyltoluene	12.864	119	5225	0.038	ppbv	98
75)	1,2-Dichlorobenzene	12.989	146	2507	0.036	ppbv	92
76)	n-Butylbenzene	13.136	91	2725	0.024	ppbv#	88
77)	1,2,4-Trichlorobenzene	14.186	180	243	0.005	ppbv#	39
78)	Naphthalene	14.295	128	1095	0.011	ppbv#	70
79)	Hexachlorobutadiene	14.520	225	3069	0.050	ppbv	93
81]	1,2-Dichlorotetrafluor...	4.286	85	3229	0.049	ppbv#	85
82]	Vinyl Chloride(sim)	4.396	62	1228	0.049	ppbv	96
83]	Bromomethane(sim)	4.745	94	1423m	0.052	ppbv	78
84]	Trichlorofluoromethane...	5.469	101	3405	0.048	ppbv#	100
85]	1,2-Dichloroethane(sim)	7.936	62	1736m	0.053	ppbv	96
86]	1,1,1-Trichloroethane(...	8.106	97	2871	0.049	ppbv#	96
87]	Benzene(sim)	8.383	78	4054	0.051	ppbv#	86
88]	Carbon Tetrachloride(sim)	8.481	117	2793	0.048	ppbv	99
89]	1,1-Dichloroethene(sim)	5.923	61	2013m	0.052	ppbv	73
90]	Trichlorotrifluoroetha...	6.173	101	2936	0.048	ppbv#	94
91]	Trans-1,2-Dichloroethe...	6.627	61	3696	0.111	ppbv#	82
92]	1,1-Dichloroethane(sim)	6.760	63	2373	0.050	ppbv	96
93]	Cis-1,2-Dichloroethene...	7.292	61	1681	0.050	ppbv#	83
94]	Chloroform(sim)	7.474	83	3096	0.048	ppbv	98
96]	1,2-dichloropropane(sim)	8.862	63	1482	0.049	ppbv#	87
97]	Bromodichloromethane(sim)	8.980	83	2780	0.048	ppbv	93
98]	Trichloroethene(sim)	9.000	130	2957	0.060	ppbv	98
99]	1,4-Dioxane(sim)	9.018	88	721m	0.049	ppbv	47
100]	cis-1,3-Dichloropropen...	9.489	75	2361	0.048	ppbv	96
101]	1,1,2-Trichloroethane(...	9.890	97	1729m	0.052	ppbv	94
102]	Dibromochloromethane(sim)	10.312	129	3038	0.046	ppbv	98
103]	1,2-Dibromoethane(EDB)...	10.453	107	2716m	0.051	ppbv	100
104]	Tetrachloroethene(sim)	10.699	166	3218	0.054	ppbv	94
106]	Bromoform(sim)	11.441	173	3053	0.045	ppbv	99
107]	m,p-Xylene(sim)	11.362	91	8033	0.095	ppbv	94
108]	1,1,2,2-Tetrachloroeth...	11.623	83	3611	0.045	ppbv	98
109]	Benzyl chloride(sim)	12.719	91	1265m	0.019	ppbv	76
110]	1,3-Dichlorobenzene(sim)	12.735	146	2521	0.032	ppbv	96
111]	1,4-Dichlorobenzene(sim)	12.774	146	2259m	0.033	ppbv	89

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_07.D
Acq On : 16 Nov 2025 4:23 pm
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05 ppb ; TO1515
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 17 10:13:58 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

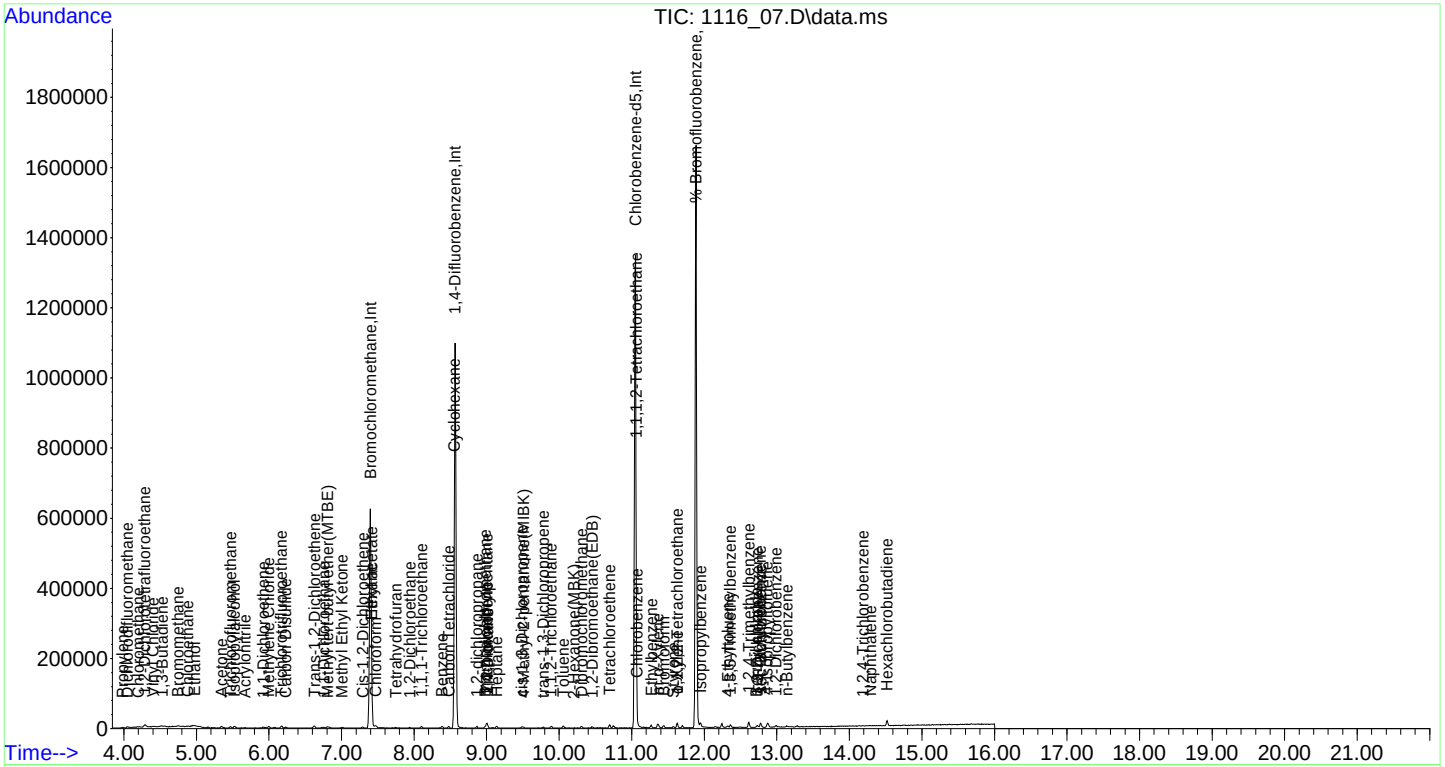
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	6068	0.040	ppbv	98
113] 4-Isopropyltoluene(sim)	12.864	119	5225	0.038	ppbv	98
114] 1,2-Dichlorobenzene(sim)	12.992	146	2982	0.042	ppbv	99
115] n-Butylbenzene(sim)	13.136	91	2725	0.021	ppbv	88
116] 1,2,4-Trichlorobenzene...	14.189	180	623	0.041	ppbv	99
118] Hexachlorobutadiene(sim)	14.523	225	3326	0.043	ppbv	98

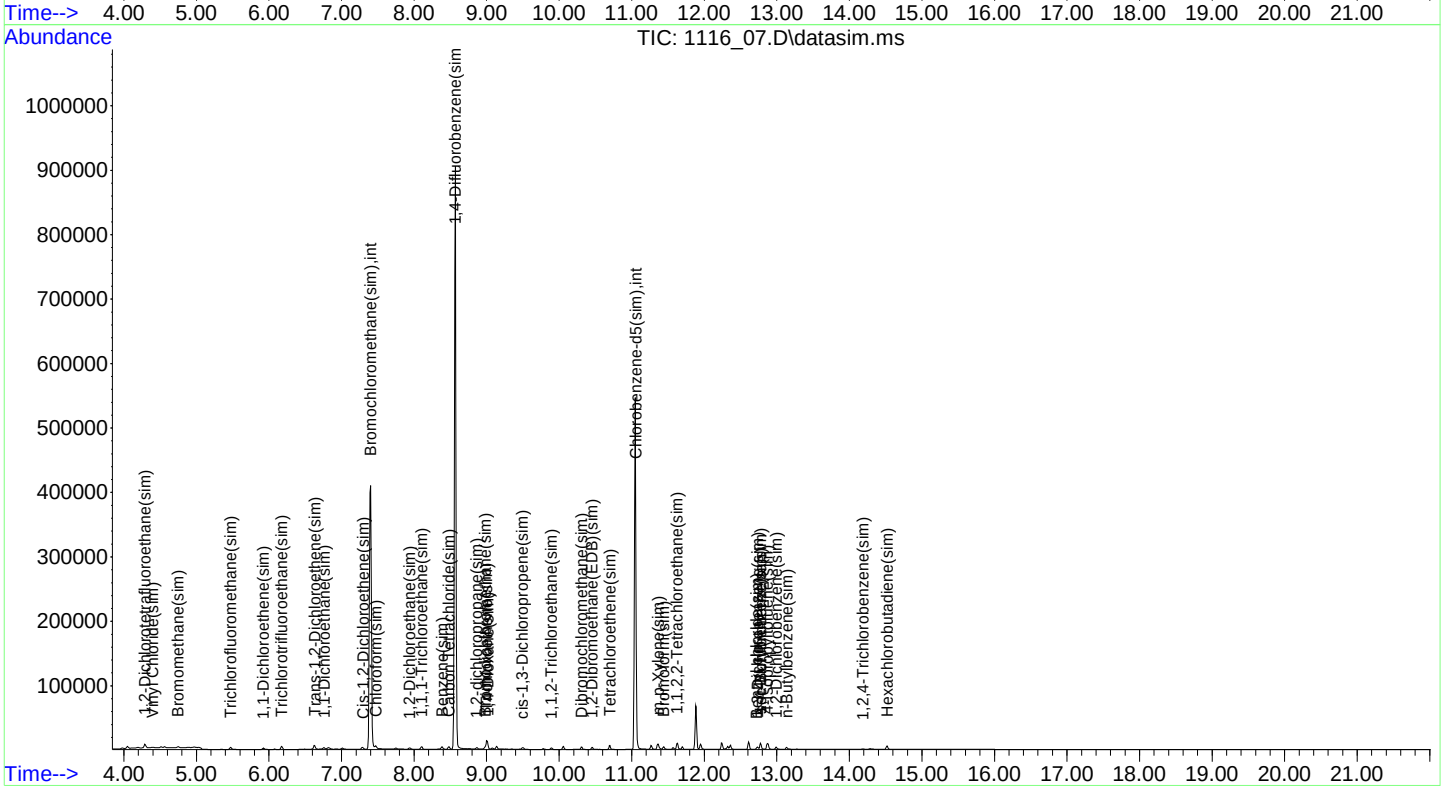
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_07.D
Acq On : 16 Nov 2025 4:23 pm
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05 ppb ; TO1515
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 17 10:13:58 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_08.D
Acq On : 16 Nov 2025 4:59 pm
Operator : Keith
Client ID : ICAL 0.1
Lab ID : 0.10 ppb ; TO1515
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 17 10:14:14 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:14:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	230312	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	818957	10.000	ng		0.00
53) Chlorobenzene-d5	11.043	82	374167	10.000	ng		0.00
80) Bromochloromethane(sim)	7.401	130	257066	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	818850	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.043	82	374541	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	462710	9.916	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.20%				
Target Compounds							Qvalue
2) Propylene	3.987	41	2446	0.152	ppbv		98
3) Dichlorodifluoromethane	4.045	85	6847	0.111	ppbv#		95
4) Chloromethane	4.195	50	2571	0.136	ppbv		99
5) 1,2-Dichlorotetrafluor...	4.286	85	7306	0.111	ppbv		86
6) Vinyl Chloride	4.394	62	2750	0.118	ppbv		95
7) 1,3-Butadiene	4.510	54	1818	0.114	ppbv		91
8) Bromomethane	4.742	94	3038	0.118	ppbv		93
9) Chloroethane	4.883	64	1583	0.144	ppbv#		61
11) Ethanol	4.974	45	1348	0.202	ppbv#		80
12) Acetone	5.343	43	4391	0.137	ppbv		94
13) Trichlorofluoromethane	5.466	101	7376	0.114	ppbv		98
14) Isopropylalcohol	5.521	45	4078	0.107	ppbv#		76
15) Acrylonitrile	5.675	53	1296	0.097	ppbv		97
16) 1,1-Dichloroethene	5.926	61	3997	0.106	ppbv#		80
17) Methylene Chloride	5.991	49	4120	0.149	ppbv#		68
20) Carbon Disulfide	6.230	76	8097	0.111	ppbv		100
21) Trichlorotrifluoroethane	6.176	101	6056	0.106	ppbv		89
22) Trans-1,2-Dichloroethene	6.627	61	3495	0.103	ppbv#		66
23) 1,1-Dichloroethane	6.757	63	4983	0.111	ppbv		93
24) Methyl tert-butyl ethe...	6.806	73	6491	0.102	ppbv#		84
25) Methyl Ethyl Ketone	7.008	43	4744	0.109	ppbv#		86
26) Cis-1,2-Dichloroethene	7.292	61	3657	0.111	ppbv#		74
27) Hexane	7.406	57	3565	0.104	ppbv#		86
28) Chloroform	7.471	83	6613	0.118	ppbv		98
29) Ethyl acetate	7.414	61	1119	0.136	ppbv#		95
30) Tetrahydrofuran	7.746	42	2260	0.104	ppbv#		67
31) 1,2-Dichloroethane	7.941	62	3496	0.111	ppbv		99
32) 1,1,1-Trichloroethane	8.103	97	5979	0.109	ppbv		94
33) Benzene	8.383	78	8275	0.108	ppbv#		93
34) Carbon Tetrachloride	8.478	117	5872	0.103	ppbv		98
35) Cyclohexane	8.556	84	4975	0.150	ppbv#		87
37) 1,2-dichloropropane	8.868	63	3045	0.109	ppbv#		83
38) Bromodichloromethane	8.980	83	6786	0.113	ppbv		89
39) Trichloroethene	8.997	130	4239	0.108	ppbv		96
40) 2,2,4-trimethylpentane	9.006	57	11291	0.100	ppbv#		91
41) 1,4-Dioxane	9.006	88	1344	0.084	ppbv		84
43) Heptane	9.136	43	4022	0.104	ppbv#		82
44) cis-1,3-Dichloropropene	9.486	75	5805	0.108	ppbv		99
45) 4-Methyl-2-pentanone(M...	9.500	43	3902	0.071	ppbv#		95
46) trans-1,3-Dichloropropene	9.781	75	3521	0.097	ppbv#		89
47) 1,1,2-Trichloroethane	9.894	97	3576	0.106	ppbv		99
48) Toluene	10.056	91	8972	0.100	ppbv		98

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_08.D
Acq On : 16 Nov 2025 4:59 pm
Operator : Keith
Client ID : ICAL 0.1
Lab ID : 0.10 ppb ; TO1515
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 17 10:14:14 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:14:09 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	6625	0.100	ppbv	98
50)	2-Hexanone(MBK)	10.197	43	549	0.013	ppbv#	66
51)	1,2-Dibromoethane(EDB)	10.450	107	5770	0.101	ppbv	97
52)	Tetrachloroethene	10.696	166	5599	0.108	ppbv	92
54)	1,1,1,2-Tetrachloroethane	11.059	131	5139	0.118	ppbv	97
55)	Chlorobenzene	11.074	112	8939	0.120	ppbv#	46
56)	Ethylbenzene	11.263	91	10902	0.101	ppbv	96
57)	m,p-Xylene	11.362	91	15950	0.197	ppbv	99
58)	Bromoform	11.438	173	6409	0.099	ppbv	99
59)	Styrene	11.567	104	5010	0.082	ppbv#	90
60)	1,1,2,2-Tetrachloroethane	11.627	83	7616	0.104	ppbv#	88
61)	o-Xylene	11.627	91	8749	0.100	ppbv	98
64)	Isopropylbenzene	11.946	105	13419	0.108	ppbv	98
66)	4-Ethyltoluene	12.320	105	10094	0.084	ppbv	97
67)	1,3,5-Trimethylbenzene	12.359	105	9147	0.092	ppbv	96
68)	1,2,4-Trimethylbenzene	12.615	105	9114	0.091	ppbv	97
70)	Benzyl chloride	12.716	91	3090	0.046	ppbv#	90
71)	1,3-Dichlorobenzene	12.732	146	5662	0.079	ppbv	89
72)	1,4-Dichlorobenzene	12.771	146	4481	0.067	ppbv	94
73)	sec-Butylbenzene	12.771	105	14238	0.094	ppbv	97
74)	4-Isopropyltoluene	12.864	119	11900	0.086	ppbv	95
75)	1,2-Dichlorobenzene	12.989	146	6071	0.087	ppbv	96
76)	n-Butylbenzene	13.129	91	7066	0.063	ppbv	98
77)	1,2,4-Trichlorobenzene	14.178	180	1002	0.025	ppbv#	71
78)	Naphthalene	14.279	128	2618	0.027	ppbv#	74
79)	Hexachlorobutadiene	14.520	225	6493	0.106	ppbv	97
81]	1,2-Dichlorotetrafluor...	4.286	85	7306	0.111	ppbv	86
82]	Vinyl Chloride(sim)	4.396	62	2796	0.112	ppbv	96
83]	Bromomethane(sim)	4.742	94	3038	0.110	ppbv	93
84]	Trichlorofluoromethane...	5.469	101	7876	0.110	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.941	62	3496	0.107	ppbv	99
86]	1,1,1-Trichloroethane(...	8.106	97	6518	0.109	ppbv#	96
87]	Benzene(sim)	8.383	78	8275	0.103	ppbv#	93
88]	Carbon Tetrachloride(sim)	8.481	117	6433	0.109	ppbv	98
89]	1,1-Dichloroethene(sim)	5.926	61	3997	0.103	ppbv#	80
90]	Trichlorotrifluoroetha...	6.173	101	6865	0.111	ppbv#	93
91]	Trans-1,2-Dichloroethe...	6.627	61	3495	0.104	ppbv#	66
92]	1,1-Dichloroethane(sim)	6.752	63	5311	0.110	ppbv	94
93]	Cis-1,2-Dichloroethene...	7.292	61	3657	0.108	ppbv#	74
94]	Chloroform(sim)	7.473	83	7002	0.107	ppbv	97
96]	1,2-dichloropropane(sim)	8.862	63	3422	0.110	ppbv#	86
97]	Bromodichloromethane(sim)	8.980	83	6786	0.114	ppbv	88
98]	Trichloroethene(sim)	9.000	130	4669	0.093	ppbv	98
99]	1,4-Dioxane(sim)	9.006	88	1344	0.089	ppbv	84
100]	cis-1,3-Dichloropropen...	9.489	75	5456	0.108	ppbv	98
101]	1,1,2-Trichloroethane(...	9.894	97	3576	0.104	ppbv	99
102]	Dibromochloromethane(sim)	10.305	129	7417	0.109	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.450	107	5770	0.105	ppbv	97
104]	Tetrachloroethene(sim)	10.699	166	6211	0.102	ppbv	95
106]	Bromoform(sim)	11.441	173	7090	0.105	ppbv	100
107]	m,p-Xylene(sim)	11.362	91	15950	0.189	ppbv	99
108]	1,1,2,2-Tetrachloroeth...	11.623	83	8383	0.106	ppbv	99
109]	Benzyl chloride(sim)	12.716	91	3090	0.069	ppbv	90
110]	1,3-Dichlorobenzene(sim)	12.735	146	5906	0.086	ppbv	99
111]	1,4-Dichlorobenzene(sim)	12.771	146	4481	0.082	ppbv	94

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_08.D
Acq On : 16 Nov 2025 4:59 pm
Operator : Keith
Client ID : ICAL 0.1
Lab ID : 0.10 ppb ; TO1515
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 17 10:14:14 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:14:09 2025
Response via : Initial Calibration

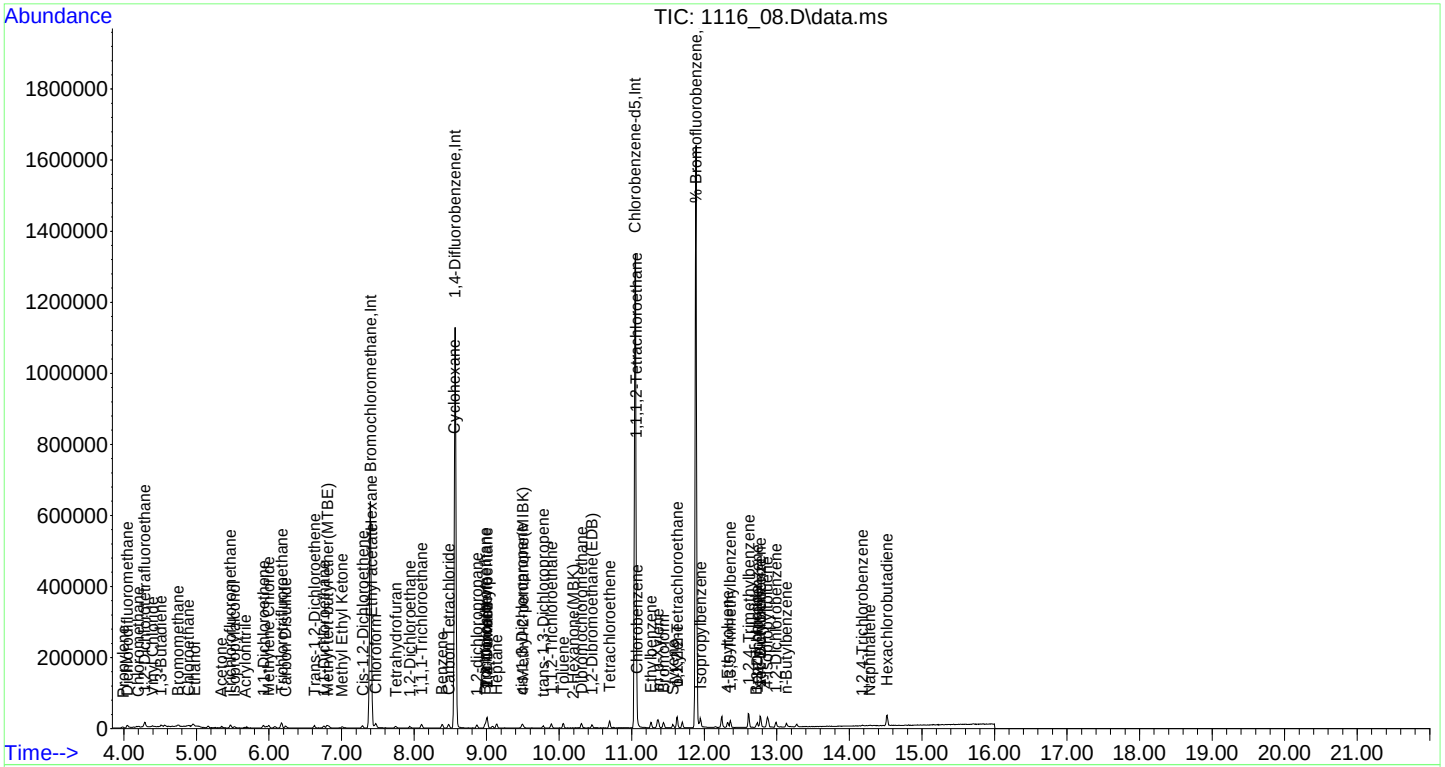
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	15040	0.100	ppbv	99
113] 4-Isopropyltoluene(sim)	12.864	119	11900	0.087	ppbv	95
114] 1,2-Dichlorobenzene(sim)	12.991	146	7075	0.099	ppbv	99
115] n-Butylbenzene(sim)	13.129	91	7066	0.074	ppbv	98
116] 1,2,4-Trichlorobenzene...	14.181	180	1397	0.242	ppbv	96
118] Hexachlorobutadiene(sim)	14.515	225	7343	0.095	ppbv	99

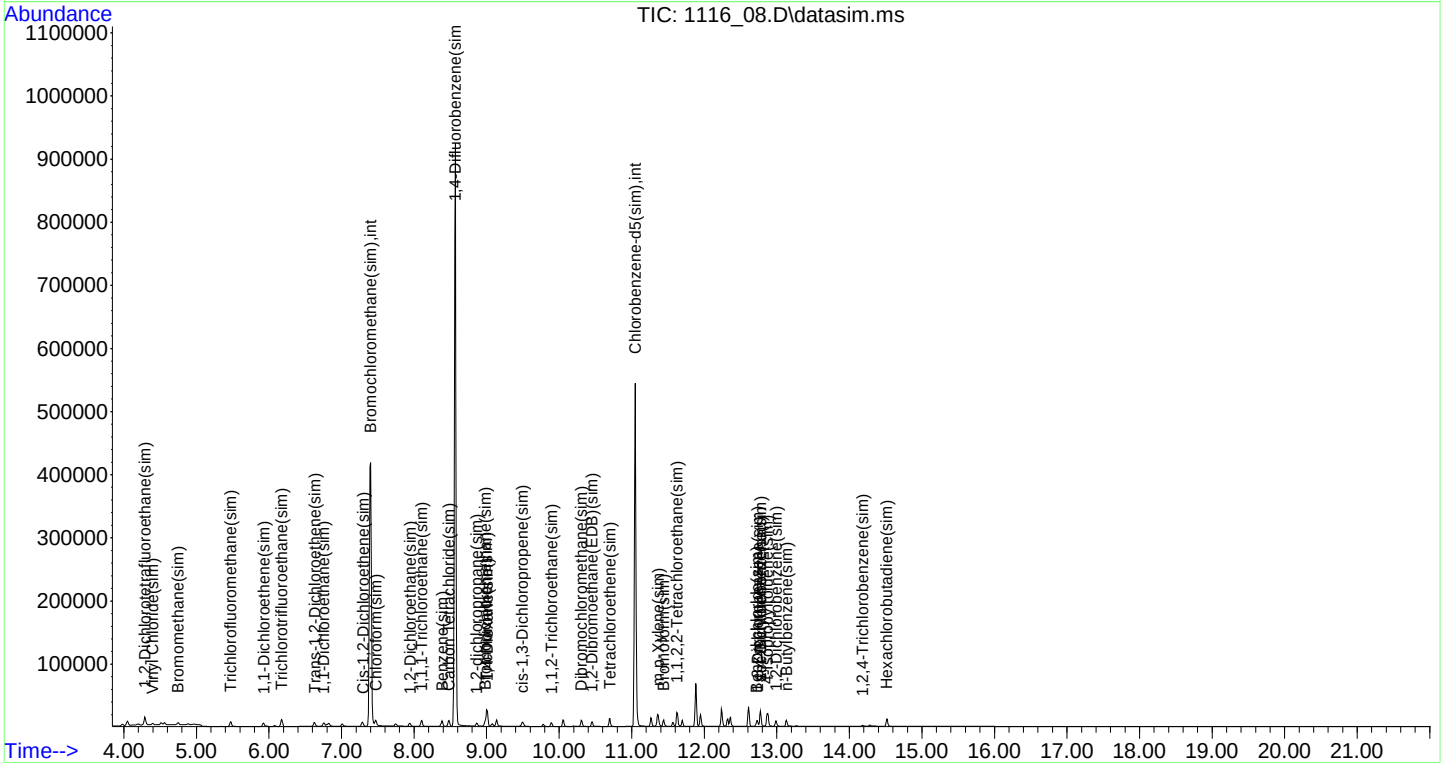
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_08.D
Acq On : 16 Nov 2025 4:59 pm
Operator : Keith
Client ID : ICAL 0.1
Lab ID : 0.10 ppb ; TO1515
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 17 10:14:14 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:14:09 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_08.D
Acq On : 16 Nov 2025 4:59 pm
Operator : Keith
Client ID : ICAL 0.1
Lab ID : 0.10 ppb ; TO1515
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 17 10:14:14 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:14:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	230312	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	818957	10.000	ng		0.00
53) Chlorobenzene-d5	11.043	82	374167	10.000	ng		0.00
80) Bromochloromethane(sim)	7.401	130	257066	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	818850	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.043	82	374541	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	462710	9.916	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.20%			
Target Compounds							Qvalue
2) Propylene	3.987	41	2446	0.152	ppbv		98
3) Dichlorodifluoromethane	4.045	85	6847	0.111	ppbv#		95
4) Chloromethane	4.195	50	2571	0.136	ppbv		99
5) 1,2-Dichlorotetrafluor...	4.286	85	7306	0.111	ppbv		86
6) Vinyl Chloride	4.394	62	2750	0.118	ppbv		95
7) 1,3-Butadiene	4.510	54	1818	0.114	ppbv		91
8) Bromomethane	4.742	94	3038	0.118	ppbv		93
9) Chloroethane	4.883	64	1583	0.144	ppbv#		61
11) Ethanol	4.974	45	1348	0.202	ppbv#		80
12) Acetone	5.343	43	4391	0.137	ppbv		94
13) Trichlorofluoromethane	5.466	101	7376	0.114	ppbv		98
14) Isopropylalcohol	5.521	45	4078	0.107	ppbv#		76
15) Acrylonitrile	5.675	53	1296	0.097	ppbv		97
16) 1,1-Dichloroethene	5.926	61	3997	0.106	ppbv#		80
17) Methylene Chloride	5.991	49	4120	0.149	ppbv#		68
20) Carbon Disulfide	6.230	76	8097	0.111	ppbv		100
21) Trichlorotrifluoroethane	6.176	101	6056	0.106	ppbv		89
22) Trans-1,2-Dichloroethene	6.627	61	3495	0.103	ppbv#		66
23) 1,1-Dichloroethane	6.757	63	4983	0.111	ppbv		93
24) Methyl tert-butyl ethe...	6.806	73	6491	0.102	ppbv#		84
25) Methyl Ethyl Ketone	7.008	43	4744	0.109	ppbv#		86
26) Cis-1,2-Dichloroethene	7.292	61	3657	0.111	ppbv#		74
27) Hexane	7.406	57	3565	0.104	ppbv#		86
28) Chloroform	7.471	83	6613	0.118	ppbv		98
29) Ethyl acetate	7.414	61	1119	0.136	ppbv#		95
30) Tetrahydrofuran	7.746	42	2260	0.104	ppbv#		67
31) 1,2-Dichloroethane	7.941	62	3496	0.111	ppbv		99
32) 1,1,1-Trichloroethane	8.103	97	5979	0.109	ppbv		94
33) Benzene	8.383	78	8275	0.108	ppbv#		93
34) Carbon Tetrachloride	8.478	117	5872	0.103	ppbv		98
35) Cyclohexane	8.556	84	4975	0.150	ppbv#		87
37) 1,2-dichloropropane	8.868	63	3045	0.109	ppbv#		83
38) Bromodichloromethane	8.980	83	6786	0.113	ppbv		89
39) Trichloroethene	8.997	130	4239	0.108	ppbv		96
40) 2,2,4-trimethylpentane	9.006	57	11291	0.100	ppbv#		91
41) 1,4-Dioxane	9.006	88	1344	0.084	ppbv		84
43) Heptane	9.136	43	4022	0.104	ppbv#		82
44) cis-1,3-Dichloropropene	9.486	75	5805	0.108	ppbv		99
45) 4-Methyl-2-pentanone(M...	9.500	43	3902	0.071	ppbv#		95
46) trans-1,3-Dichloropropene	9.781	75	3521	0.097	ppbv#		89
47) 1,1,2-Trichloroethane	9.894	97	3576	0.106	ppbv		99
48) Toluene	10.056	91	8972	0.100	ppbv		98

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_08.D
Acq On : 16 Nov 2025 4:59 pm
Operator : Keith
Client ID : ICAL 0.1
Lab ID : 0.10 ppb ; TO1515
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 17 10:14:14 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:14:09 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	6625	0.100	ppbv	98
50)	2-Hexanone(MBK)	10.197	43	549	0.013	ppbv#	66
51)	1,2-Dibromoethane(EDB)	10.450	107	5770	0.101	ppbv	97
52)	Tetrachloroethene	10.696	166	5599	0.108	ppbv	92
54)	1,1,1,2-Tetrachloroethane	11.059	131	5139	0.118	ppbv	97
55)	Chlorobenzene	11.074	112	8939	0.120	ppbv#	46
56)	Ethylbenzene	11.263	91	10902	0.101	ppbv	96
57)	m,p-Xylene	11.362	91	15950	0.197	ppbv	99
58)	Bromoform	11.438	173	6409	0.099	ppbv	99
59)	Styrene	11.567	104	5010	0.082	ppbv#	90
60)	1,1,2,2-Tetrachloroethane	11.627	83	7616	0.104	ppbv#	88
61)	o-Xylene	11.627	91	8749	0.100	ppbv	98
64)	Isopropylbenzene	11.946	105	13419	0.108	ppbv	98
66)	4-Ethyltoluene	12.320	105	10094	0.084	ppbv	97
67)	1,3,5-Trimethylbenzene	12.359	105	9147	0.092	ppbv	96
68)	1,2,4-Trimethylbenzene	12.615	105	9114	0.091	ppbv	97
70)	Benzyl chloride	12.716	91	3090	0.046	ppbv#	90
71)	1,3-Dichlorobenzene	12.732	146	5662	0.079	ppbv	89
72)	1,4-Dichlorobenzene	12.771	146	4481	0.067	ppbv	94
73)	sec-Butylbenzene	12.771	105	14238	0.094	ppbv	97
74)	4-Isopropyltoluene	12.864	119	11900	0.086	ppbv	95
75)	1,2-Dichlorobenzene	12.989	146	6071	0.087	ppbv	96
76)	n-Butylbenzene	13.129	91	7066	0.063	ppbv	98
77)	1,2,4-Trichlorobenzene	14.178	180	1002	0.025	ppbv#	71
78)	Naphthalene	14.279	128	2618	0.027	ppbv#	74
79)	Hexachlorobutadiene	14.520	225	6493	0.106	ppbv	97
81]	1,2-Dichlorotetrafluor...	4.286	85	7306	0.111	ppbv	86
82]	Vinyl Chloride(sim)	4.396	62	2796	0.112	ppbv	96
83]	Bromomethane(sim)	4.742	94	3038	0.110	ppbv	93
84]	Trichlorofluoromethane...	5.469	101	7876	0.110	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.941	62	3496	0.107	ppbv	99
86]	1,1,1-Trichloroethane(...	8.106	97	6518	0.109	ppbv#	96
87]	Benzene(sim)	8.383	78	8275	0.103	ppbv#	93
88]	Carbon Tetrachloride(sim)	8.481	117	6433	0.109	ppbv	98
89]	1,1-Dichloroethene(sim)	5.926	61	3997	0.103	ppbv#	80
90]	Trichlorotrifluoroetha...	6.173	101	6865	0.111	ppbv#	93
91]	Trans-1,2-Dichloroethe...	6.627	61	3495	0.104	ppbv#	66
92]	1,1-Dichloroethane(sim)	6.752	63	5311	0.110	ppbv	94
93]	Cis-1,2-Dichloroethene...	7.292	61	3657	0.108	ppbv#	74
94]	Chloroform(sim)	7.473	83	7002	0.107	ppbv	97
96]	1,2-dichloropropane(sim)	8.862	63	3422	0.110	ppbv#	86
97]	Bromodichloromethane(sim)	8.980	83	6786	0.114	ppbv	88
98]	Trichloroethene(sim)	9.000	130	4669	0.093	ppbv	98
99]	1,4-Dioxane(sim)	9.006	88	1344	0.089	ppbv	84
100]	cis-1,3-Dichloropropen...	9.489	75	5456	0.108	ppbv	98
101]	1,1,2-Trichloroethane(...	9.894	97	3576	0.104	ppbv	99
102]	Dibromochloromethane(sim)	10.305	129	7417	0.109	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.450	107	5770	0.105	ppbv	97
104]	Tetrachloroethene(sim)	10.699	166	6211	0.102	ppbv	95
106]	Bromoform(sim)	11.441	173	7090	0.105	ppbv	100
107]	m,p-Xylene(sim)	11.362	91	15950	0.189	ppbv	99
108]	1,1,2,2-Tetrachloroeth...	11.623	83	8383	0.106	ppbv	99
109]	Benzyl chloride(sim)	12.716	91	3090	0.069	ppbv	90
110]	1,3-Dichlorobenzene(sim)	12.735	146	5906	0.086	ppbv	99
111]	1,4-Dichlorobenzene(sim)	12.771	146	4481	0.082	ppbv	94

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_08.D
Acq On : 16 Nov 2025 4:59 pm
Operator : Keith
Client ID : ICAL 0.1
Lab ID : 0.10 ppb ; TO1515
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 17 10:14:14 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:14:09 2025
Response via : Initial Calibration

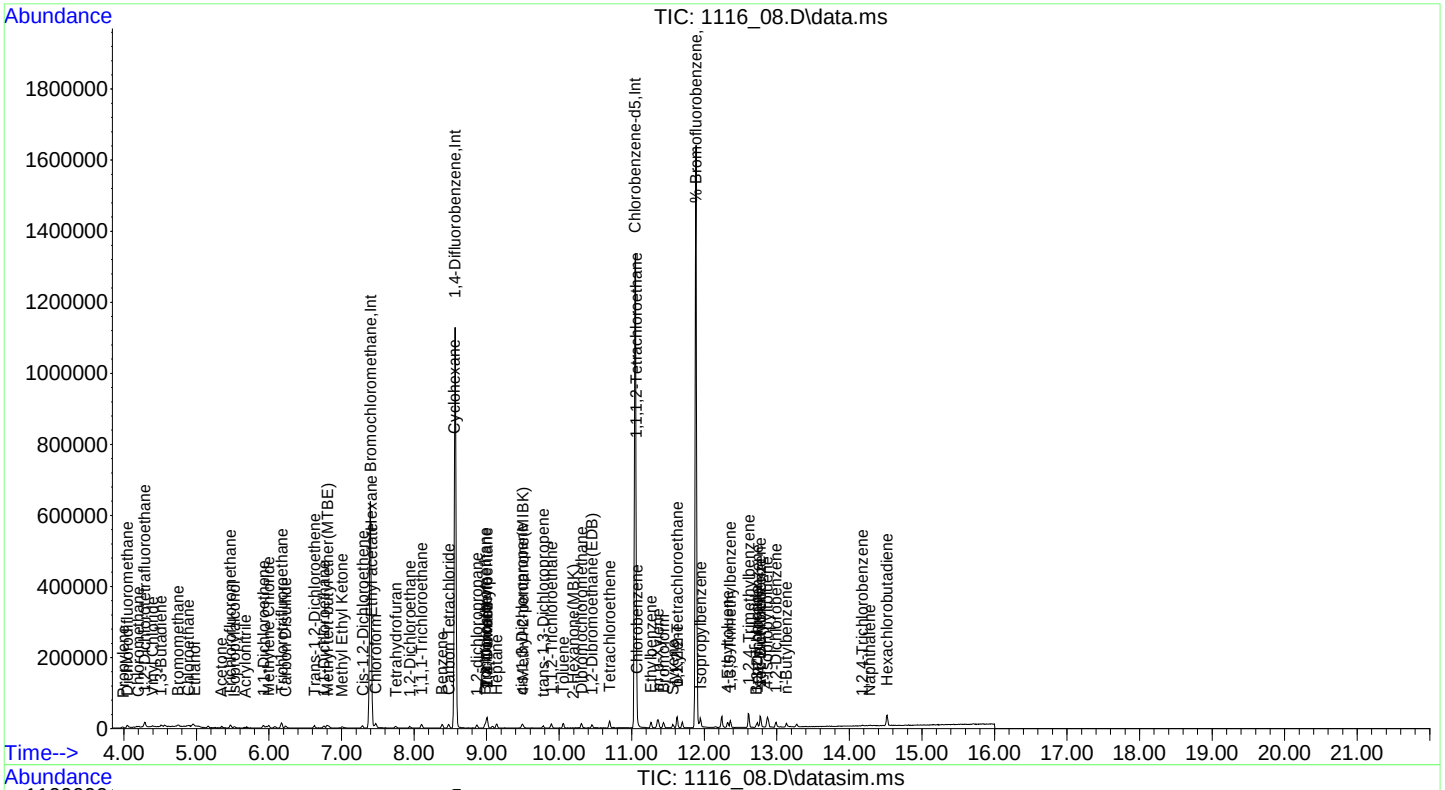
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	15040	0.100	ppbv	99
113] 4-Isopropyltoluene(sim)	12.864	119	11900	0.087	ppbv	95
114] 1,2-Dichlorobenzene(sim)	12.991	146	7075	0.099	ppbv	99
115] n-Butylbenzene(sim)	13.129	91	7066	0.074	ppbv	98
116] 1,2,4-Trichlorobenzene...	14.181	180	1397	0.242	ppbv	96
118] Hexachlorobutadiene(sim)	14.515	225	7343	0.095	ppbv	99

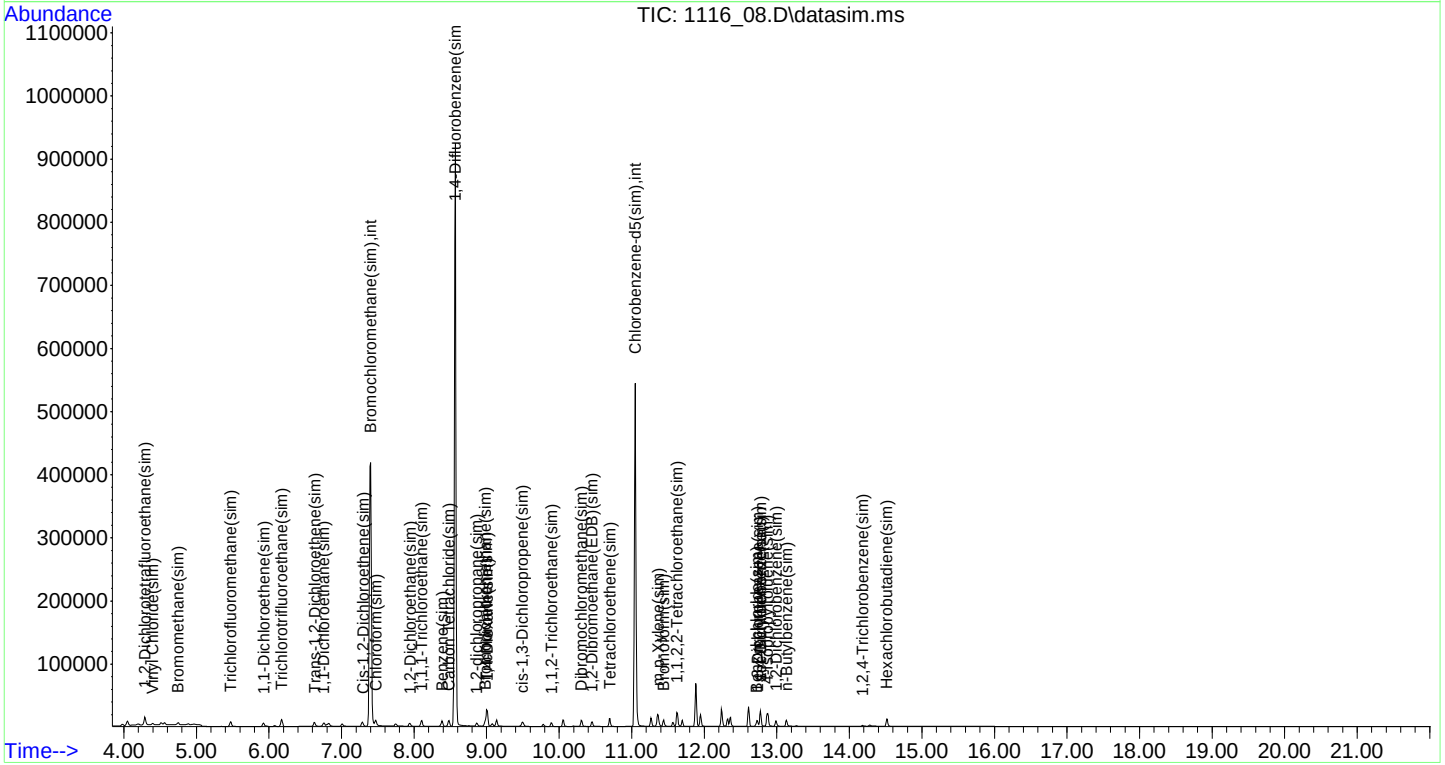
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_08.D
Acq On : 16 Nov 2025 4:59 pm
Operator : Keith
Client ID : ICAL 0.1
Lab ID : 0.10 ppb ; TO1515
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 17 10:14:14 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:14:09 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_09.D
Acq On : 16 Nov 2025 5:35 pm
Operator : Keith
Client ID : ICAL 0.2
Lab ID : 0.20 ppb ; TO1515
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 17 07:11:26 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.397	130	230551	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	814535	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	379030	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	257178	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	814535	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	379129	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	475925	9.655	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.60%				
Target Compounds							Qvalue
2) Propylene	3.979	41	4039	0.251	ppbv		98
3) Dichlorodifluoromethane	4.045	85	12826	0.208	ppbv#		95
4) Chloromethane	4.194	50	4399	0.232	ppbv		99
5) 1,2-Dichlorotetrafluor...	4.286	85	13920	0.212	ppbv		84
6) Vinyl Chloride	4.393	62	5241	0.225	ppbv		92
7) 1,3-Butadiene	4.509	54	3334	0.209	ppbv#		89
8) Bromomethane	4.742	94	5537	0.214	ppbv#		83
9) Chloroethane	4.883	64	2558	0.233	ppbv		71
11) Ethanol	4.974	45	2142	0.321	ppbv#		76
12) Acetone	5.343	43	7683	0.240	ppbv		92
13) Trichlorofluoromethane	5.466	101	13767	0.212	ppbv		97
14) Isopropylalcohol	5.521	45	7785	0.205	ppbv#		78
15) Acrylonitrile	5.668	53	2921	0.218	ppbv		85
16) 1,1-Dichloroethene	5.926	61	7405	0.197	ppbv#		78
17) Methylene Chloride	5.997	49	6653	0.241	ppbv#		64
20) Carbon Disulfide	6.229	76	15002	0.205	ppbv		98
21) Trichlorotrifluoroethane	6.170	101	12375	0.217	ppbv		87
22) Trans-1,2-Dichloroethene	6.627	61	6618	0.195	ppbv#		69
23) 1,1-Dichloroethane	6.757	63	9528	0.212	ppbv		97
24) Methyl tert-butyl ethe...	6.797	73	12405	0.195	ppbv#		84
25) Methyl Ethyl Ketone	7.008	43	8864	0.204	ppbv#		89
26) Cis-1,2-Dichloroethene	7.284	61	7064	0.214	ppbv#		82
27) Hexane	7.406	57	6939	0.202	ppbv#		94
28) Chloroform	7.470	83	11946	0.213	ppbv		97
29) Ethyl acetate	7.406	61	1748	0.212	ppbv#		80
30) Tetrahydrofuran	7.738	42	4232	0.195	ppbv#		63
31) 1,2-Dichloroethane	7.941	62	6201	0.197	ppbv#		94
32) 1,1,1-Trichloroethane	8.103	97	11554	0.211	ppbv		94
33) Benzene	8.383	78	15608	0.203	ppbv#		90
34) Carbon Tetrachloride	8.478	117	11258	0.197	ppbv		97
35) Cyclohexane	8.556	84	7957	0.240	ppbv#		75
37) 1,2-dichloropropane	8.868	63	5611	0.202	ppbv#		82
38) Bromodichloromethane	8.980	83	11891	0.199	ppbv		98
39) Trichloroethene	9.006	130	7880	0.202	ppbv		98
40) 2,2,4-trimethylpentane	9.006	57	21308	0.191	ppbv#		91
41) 1,4-Dioxane	9.006	88	2509	0.157	ppbv#		82
43) Heptane	9.144	43	7402	0.192	ppbv#		78
44) cis-1,3-Dichloropropene	9.486	75	10993	0.205	ppbv		97
45) 4-Methyl-2-pentanone(M...	9.500	43	9226	0.168	ppbv#		91
46) trans-1,3-Dichloropropene	9.781	75	6505	0.180	ppbv		99
47) 1,1,2-Trichloroethane	9.894	97	6723	0.200	ppbv		99
48) Toluene	10.056	91	16805	0.188	ppbv		96

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_09.D
Acq On : 16 Nov 2025 5:35 pm
Operator : Keith
Client ID : ICAL 0.2
Lab ID : 0.20 ppb ; TO1515
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 17 07:11:26 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	12681	0.193	ppbv	95
50)	2-Hexanone(MBK)	10.182	43	3714	0.085	ppbv#	95
51)	1,2-Dibromoethane(EDB)	10.450	107	11190	0.196	ppbv	96
52)	Tetrachloroethene	10.696	166	10444	0.203	ppbv	94
54)	1,1,1,2-Tetrachloroethane	11.058	131	9806	0.223	ppbv	98
55)	Chlorobenzene	11.074	112	16907	0.224	ppbv#	71
56)	Ethylbenzene	11.263	91	21264	0.194	ppbv	97
57)	m,p-Xylene	11.362	91	30946	0.378	ppbv	99
58)	Bromoform	11.438	173	12612	0.192	ppbv	98
59)	Styrene	11.566	104	10324	0.167	ppbv#	94
60)	1,1,2,2-Tetrachloroethane	11.620	83	15389	0.208	ppbv#	87
61)	o-Xylene	11.627	91	17144	0.193	ppbv	95
64)	Isopropylbenzene	11.946	105	25962	0.207	ppbv	98
66)	4-Ethyltoluene	12.320	105	20990	0.172	ppbv	96
67)	1,3,5-Trimethylbenzene	12.359	105	19245	0.192	ppbv	99
68)	1,2,4-Trimethylbenzene	12.615	105	17191	0.169	ppbv	96
70)	Benzyl chloride	12.709	91	7451	0.109	ppbv	95
71)	1,3-Dichlorobenzene	12.732	146	11092	0.154	ppbv	99
72)	1,4-Dichlorobenzene	12.771	146	10351	0.154	ppbv	95
73)	sec-Butylbenzene	12.779	105	28239	0.183	ppbv	100
74)	4-Isopropyltoluene	12.864	119	24568	0.176	ppbv	94
75)	1,2-Dichlorobenzene	12.988	146	12961	0.183	ppbv	98
76)	n-Butylbenzene	13.128	91	16746	0.148	ppbv	95
77)	1,2,4-Trichlorobenzene	14.178	180	3219	0.072	ppbv#	92
78)	Naphthalene	14.271	128	9210	0.091	ppbv#	94
79)	Hexachlorobutadiene	14.520	225	12820	0.207	ppbv	95
81]	1,2-Dichlorotetrafluor...	4.286	85	13920	0.211	ppbv	84
82]	Vinyl Chloride(sim)	4.396	62	5247	0.210	ppbv	97
83]	Bromomethane(sim)	4.742	94	5537	0.201	ppbv#	83
84]	Trichlorofluoromethane...	5.469	101	14850	0.208	ppbv#	100
85]	1,2-Dichloroethane(sim)	7.941	62	6201	0.189	ppbv#	94
86]	1,1,1-Trichloroethane(...	8.106	97	12439	0.209	ppbv#	95
87]	Benzene(sim)	8.383	78	15608	0.194	ppbv#	90
88]	Carbon Tetrachloride(sim)	8.481	117	12502	0.212	ppbv	99
89]	1,1-Dichloroethene(sim)	5.926	61	7405	0.191	ppbv#	78
90]	Trichlorotrifluoroetha...	6.173	101	13003	0.210	ppbv#	93
91]	Trans-1,2-Dichloroethe...	6.627	61	6618	0.197	ppbv#	69
92]	1,1-Dichloroethane(sim)	6.752	63	10164	0.210	ppbv	95
93]	Cis-1,2-Dichloroethene...	7.284	61	7064	0.208	ppbv#	82
94]	Chloroform(sim)	7.473	83	13014	0.198	ppbv#	96
96]	1,2-dichloropropane(sim)	8.862	63	6416	0.207	ppbv#	86
97]	Bromodichloromethane(sim)	8.980	83	11891	0.200	ppbv	99
98]	Trichloroethene(sim)	9.000	130	8679	0.173	ppbv	98
99]	1,4-Dioxane(sim)	9.006	88	2509	0.168	ppbv#	82
100]	cis-1,3-Dichloropropen...	9.488	75	10243	0.204	ppbv	98
101]	1,1,2-Trichloroethane(...	9.894	97	6723	0.197	ppbv	99
102]	Dibromochloromethane(sim)	10.305	129	13878	0.205	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.450	107	11190	0.204	ppbv	95
104]	Tetrachloroethene(sim)	10.699	166	11773	0.195	ppbv	95
106]	Bromoform(sim)	11.440	173	13739	0.202	ppbv	100
107]	m,p-Xylene(sim)	11.362	91	32259	0.378	ppbv	96
108]	1,1,2,2-Tetrachloroeth...	11.622	83	16324	0.204	ppbv	99
109]	Benzyl chloride(sim)	12.709	91	7451	0.110	ppbv	95
110]	1,3-Dichlorobenzene(sim)	12.727	146	12606	0.160	ppbv	99
111]	1,4-Dichlorobenzene(sim)	12.771	146	10351	0.151	ppbv	95

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_09.D
Acq On : 16 Nov 2025 5:35 pm
Operator : Keith
Client ID : ICAL 0.2
Lab ID : 0.20 ppb ; TO1515
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 17 07:11:26 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

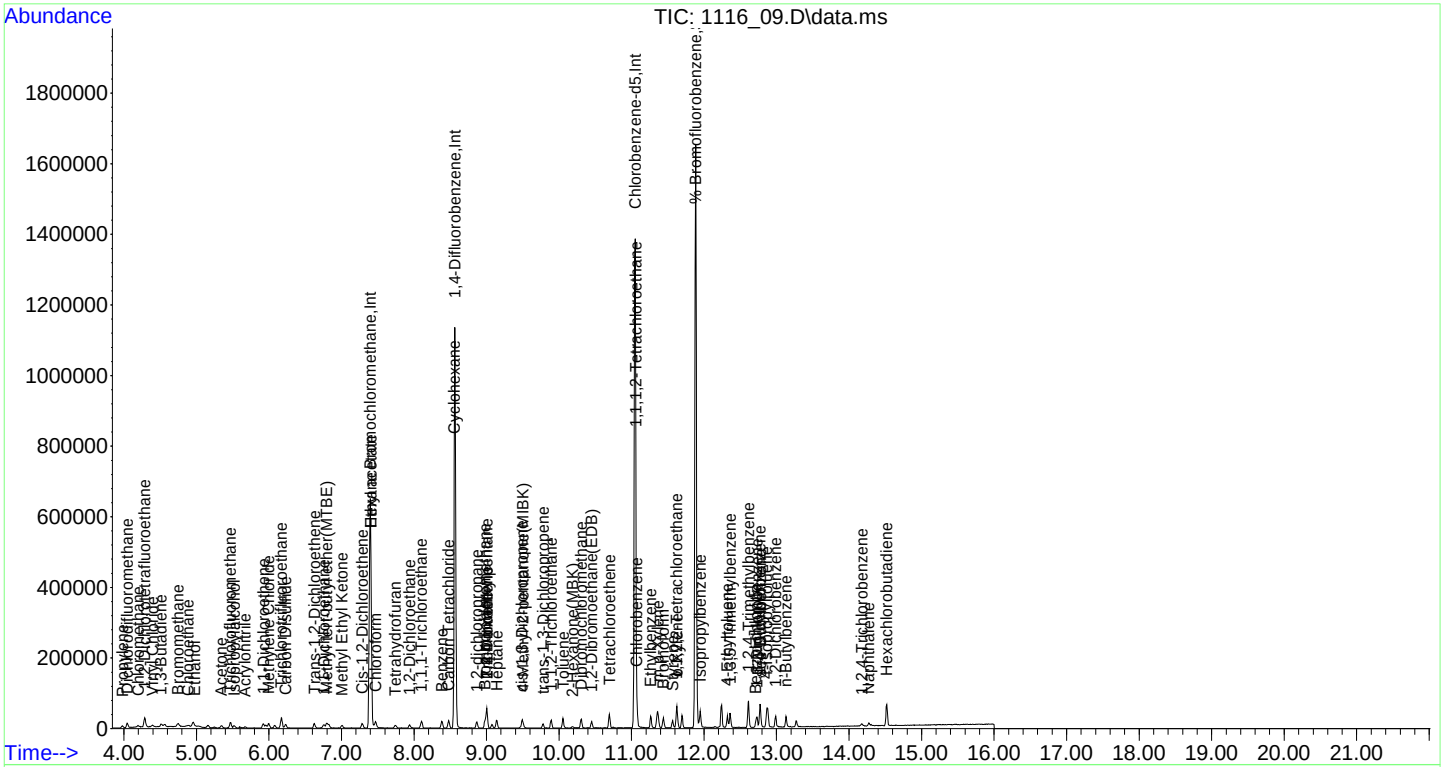
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	30972	0.203	ppbv	99
113] 4-Isopropyltoluene(sim)	12.864	119	24568	0.177	ppbv	94
114] 1,2-Dichlorobenzene(sim)	12.984	146	14426	0.200	ppbv	100
115] n-Butylbenzene(sim)	13.128	91	16745	0.131	ppbv	95
116] 1,2,4-Trichlorobenzene...	14.173	180	4061	0.176	ppbv	99
118] Hexachlorobutadiene(sim)	14.515	225	14523	0.186	ppbv	97

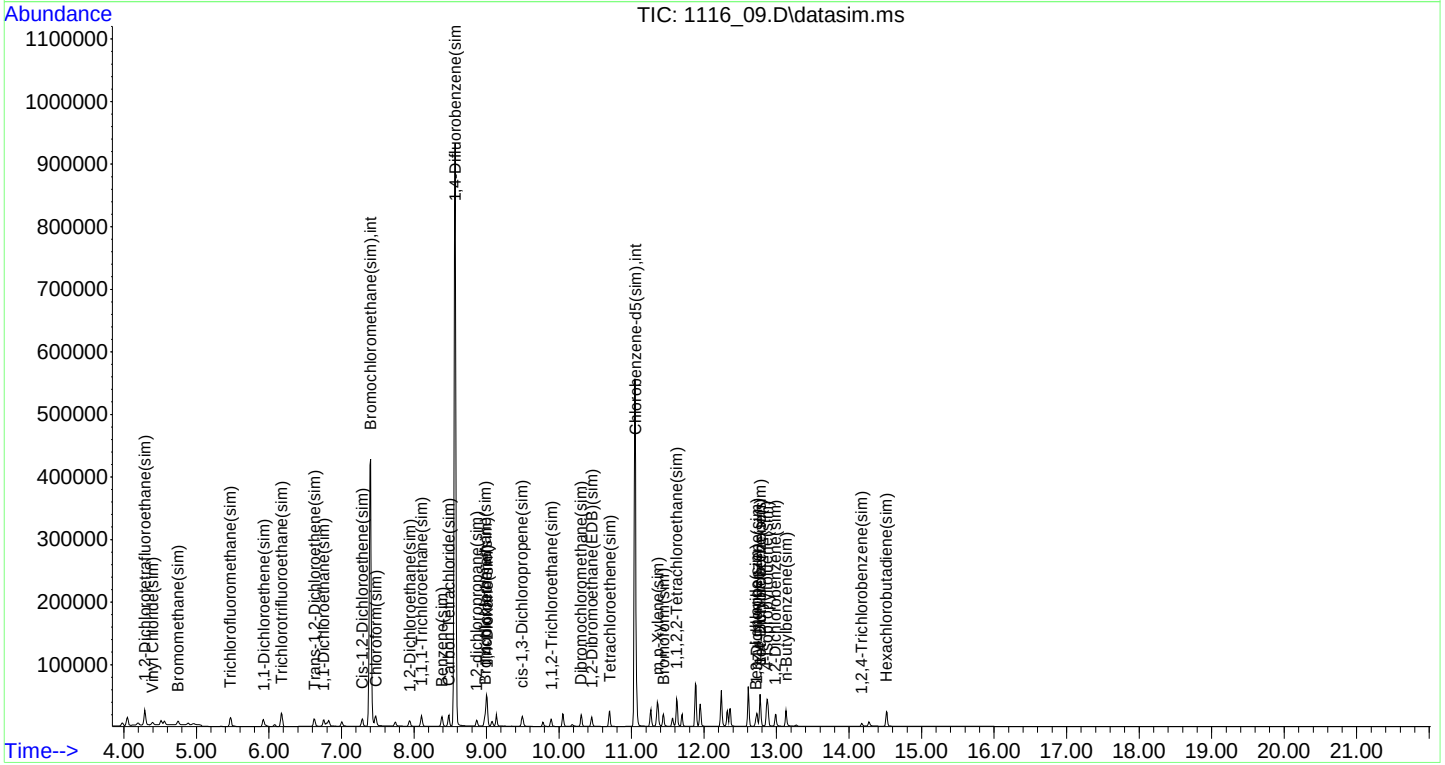
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_09.D
Acq On : 16 Nov 2025 5:35 pm
Operator : Keith
Client ID : ICAL 0.2
Lab ID : 0.20 ppb ; TO1515
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 17 07:11:26 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_09.D
Acq On : 16 Nov 2025 5:35 pm
Operator : Keith
Client ID : ICAL 0.2
Lab ID : 0.20 ppb ; TO1515
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 17 07:11:26 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.397	130	230551	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	814535	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	379030	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	257178	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	814535	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	379129	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	475925	9.655	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.60%				
Target Compounds							Qvalue
2) Propylene	3.979	41	4039	0.251	ppbv		98
3) Dichlorodifluoromethane	4.045	85	12826	0.208	ppbv#		95
4) Chloromethane	4.194	50	4399	0.232	ppbv		99
5) 1,2-Dichlorotetrafluor...	4.286	85	13920	0.212	ppbv		84
6) Vinyl Chloride	4.393	62	5241	0.225	ppbv		92
7) 1,3-Butadiene	4.509	54	3334	0.209	ppbv#		89
8) Bromomethane	4.742	94	5537	0.214	ppbv#		83
9) Chloroethane	4.883	64	2558	0.233	ppbv		71
11) Ethanol	4.974	45	2142	0.321	ppbv#		76
12) Acetone	5.343	43	7683	0.240	ppbv		92
13) Trichlorofluoromethane	5.466	101	13767	0.212	ppbv		97
14) Isopropylalcohol	5.521	45	7785	0.205	ppbv#		78
15) Acrylonitrile	5.668	53	2921	0.218	ppbv		85
16) 1,1-Dichloroethene	5.926	61	7405	0.197	ppbv#		78
17) Methylene Chloride	5.997	49	6653	0.241	ppbv#		64
20) Carbon Disulfide	6.229	76	15002	0.205	ppbv		98
21) Trichlorotrifluoroethane	6.170	101	12375	0.217	ppbv		87
22) Trans-1,2-Dichloroethene	6.627	61	6618	0.195	ppbv#		69
23) 1,1-Dichloroethane	6.757	63	9528	0.212	ppbv		97
24) Methyl tert-butyl ethe...	6.797	73	12405	0.195	ppbv#		84
25) Methyl Ethyl Ketone	7.008	43	8864	0.204	ppbv#		89
26) Cis-1,2-Dichloroethene	7.284	61	7064	0.214	ppbv#		82
27) Hexane	7.406	57	6939	0.202	ppbv#		94
28) Chloroform	7.470	83	11946	0.213	ppbv		97
29) Ethyl acetate	7.406	61	1748	0.212	ppbv#		80
30) Tetrahydrofuran	7.738	42	4232	0.195	ppbv#		63
31) 1,2-Dichloroethane	7.941	62	6201	0.197	ppbv#		94
32) 1,1,1-Trichloroethane	8.103	97	11554	0.211	ppbv		94
33) Benzene	8.383	78	15608	0.203	ppbv#		90
34) Carbon Tetrachloride	8.478	117	11258	0.197	ppbv		97
35) Cyclohexane	8.556	84	7957	0.240	ppbv#		75
37) 1,2-dichloropropane	8.868	63	5611	0.202	ppbv#		82
38) Bromodichloromethane	8.980	83	11891	0.199	ppbv		98
39) Trichloroethene	9.006	130	7880	0.202	ppbv		98
40) 2,2,4-trimethylpentane	9.006	57	21308	0.191	ppbv#		91
41) 1,4-Dioxane	9.006	88	2509	0.157	ppbv#		82
43) Heptane	9.144	43	7402	0.192	ppbv#		78
44) cis-1,3-Dichloropropene	9.486	75	10993	0.205	ppbv		97
45) 4-Methyl-2-pentanone(M...	9.500	43	9226	0.168	ppbv#		91
46) trans-1,3-Dichloropropene	9.781	75	6505	0.180	ppbv		99
47) 1,1,2-Trichloroethane	9.894	97	6723	0.200	ppbv		99
48) Toluene	10.056	91	16805	0.188	ppbv		96

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_09.D
Acq On : 16 Nov 2025 5:35 pm
Operator : Keith
Client ID : ICAL 0.2
Lab ID : 0.20 ppb ; TO1515
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 17 07:11:26 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	12681	0.193	ppbv	95
50)	2-Hexanone(MBK)	10.182	43	3714	0.085	ppbv#	95
51)	1,2-Dibromoethane(EDB)	10.450	107	11190	0.196	ppbv	96
52)	Tetrachloroethene	10.696	166	10444	0.203	ppbv	94
54)	1,1,1,2-Tetrachloroethane	11.058	131	9806	0.223	ppbv	98
55)	Chlorobenzene	11.074	112	16907	0.224	ppbv#	71
56)	Ethylbenzene	11.263	91	21264	0.194	ppbv	97
57)	m,p-Xylene	11.362	91	30946	0.378	ppbv	99
58)	Bromoform	11.438	173	12612	0.192	ppbv	98
59)	Styrene	11.566	104	10324	0.167	ppbv#	94
60)	1,1,2,2-Tetrachloroethane	11.620	83	15389	0.208	ppbv#	87
61)	o-Xylene	11.627	91	17144	0.193	ppbv	95
64)	Isopropylbenzene	11.946	105	25962	0.207	ppbv	98
66)	4-Ethyltoluene	12.320	105	20990	0.172	ppbv	96
67)	1,3,5-Trimethylbenzene	12.359	105	19245	0.192	ppbv	99
68)	1,2,4-Trimethylbenzene	12.615	105	17191	0.169	ppbv	96
70)	Benzyl chloride	12.709	91	7451	0.109	ppbv	95
71)	1,3-Dichlorobenzene	12.732	146	11092	0.154	ppbv	99
72)	1,4-Dichlorobenzene	12.771	146	10351	0.154	ppbv	95
73)	sec-Butylbenzene	12.779	105	28239	0.183	ppbv	100
74)	4-Isopropyltoluene	12.864	119	24568	0.176	ppbv	94
75)	1,2-Dichlorobenzene	12.988	146	12961	0.183	ppbv	98
76)	n-Butylbenzene	13.128	91	16746	0.148	ppbv	95
77)	1,2,4-Trichlorobenzene	14.178	180	3219	0.072	ppbv#	92
78)	Naphthalene	14.271	128	9210	0.091	ppbv#	94
79)	Hexachlorobutadiene	14.520	225	12820	0.207	ppbv	95
81]	1,2-Dichlorotetrafluor...	4.286	85	13920	0.211	ppbv	84
82]	Vinyl Chloride(sim)	4.396	62	5247	0.210	ppbv	97
83]	Bromomethane(sim)	4.742	94	5537	0.201	ppbv#	83
84]	Trichlorofluoromethane...	5.469	101	14850	0.208	ppbv#	100
85]	1,2-Dichloroethane(sim)	7.941	62	6201	0.189	ppbv#	94
86]	1,1,1-Trichloroethane(...	8.106	97	12439	0.209	ppbv#	95
87]	Benzene(sim)	8.383	78	15608	0.194	ppbv#	90
88]	Carbon Tetrachloride(sim)	8.481	117	12502	0.212	ppbv	99
89]	1,1-Dichloroethene(sim)	5.926	61	7405	0.191	ppbv#	78
90]	Trichlorotrifluoroetha...	6.173	101	13003	0.210	ppbv#	93
91]	Trans-1,2-Dichloroethe...	6.627	61	6618	0.197	ppbv#	69
92]	1,1-Dichloroethane(sim)	6.752	63	10164	0.210	ppbv	95
93]	Cis-1,2-Dichloroethene...	7.284	61	7064	0.208	ppbv#	82
94]	Chloroform(sim)	7.473	83	13014	0.198	ppbv#	96
96]	1,2-dichloropropane(sim)	8.862	63	6416	0.207	ppbv#	86
97]	Bromodichloromethane(sim)	8.980	83	11891	0.200	ppbv	99
98]	Trichloroethene(sim)	9.000	130	8679	0.173	ppbv	98
99]	1,4-Dioxane(sim)	9.006	88	2509	0.168	ppbv#	82
100]	cis-1,3-Dichloropropen...	9.488	75	10243	0.204	ppbv	98
101]	1,1,2-Trichloroethane(...	9.894	97	6723	0.197	ppbv	99
102]	Dibromochloromethane(sim)	10.305	129	13878	0.205	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.450	107	11190	0.204	ppbv	95
104]	Tetrachloroethene(sim)	10.699	166	11773	0.195	ppbv	95
106]	Bromoform(sim)	11.440	173	13739	0.202	ppbv	100
107]	m,p-Xylene(sim)	11.362	91	32259	0.378	ppbv	96
108]	1,1,2,2-Tetrachloroeth...	11.622	83	16324	0.204	ppbv	99
109]	Benzyl chloride(sim)	12.709	91	7451	0.110	ppbv	95
110]	1,3-Dichlorobenzene(sim)	12.727	146	12606	0.160	ppbv	99
111]	1,4-Dichlorobenzene(sim)	12.771	146	10351	0.151	ppbv	95

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_09.D
Acq On : 16 Nov 2025 5:35 pm
Operator : Keith
Client ID : ICAL 0.2
Lab ID : 0.20 ppb ; TO1515
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 17 07:11:26 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

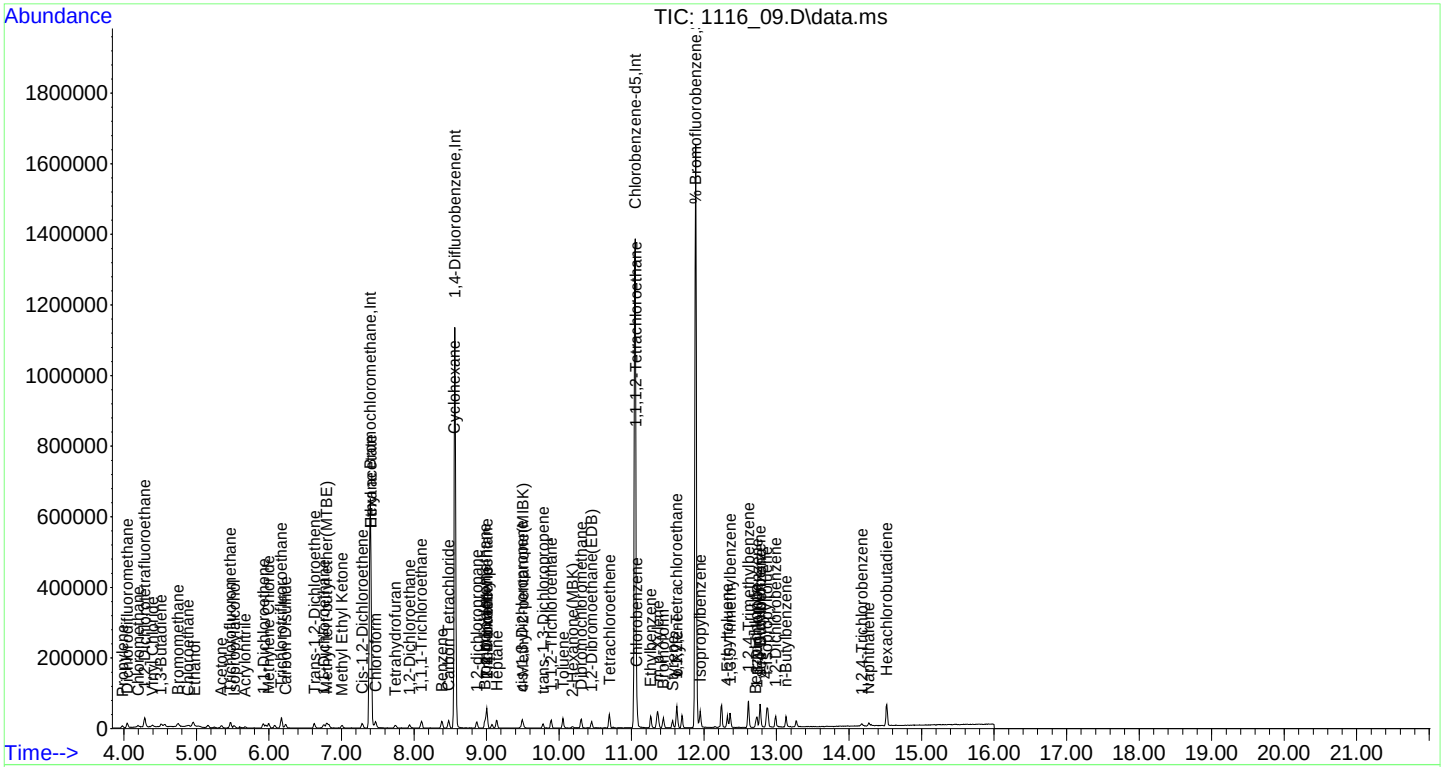
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	30972	0.203	ppbv	99
113] 4-Isopropyltoluene(sim)	12.864	119	24568	0.177	ppbv	94
114] 1,2-Dichlorobenzene(sim)	12.984	146	14426	0.200	ppbv	100
115] n-Butylbenzene(sim)	13.128	91	16745	0.131	ppbv	95
116] 1,2,4-Trichlorobenzene...	14.173	180	4061	0.176	ppbv	99
118] Hexachlorobutadiene(sim)	14.515	225	14523	0.186	ppbv	97

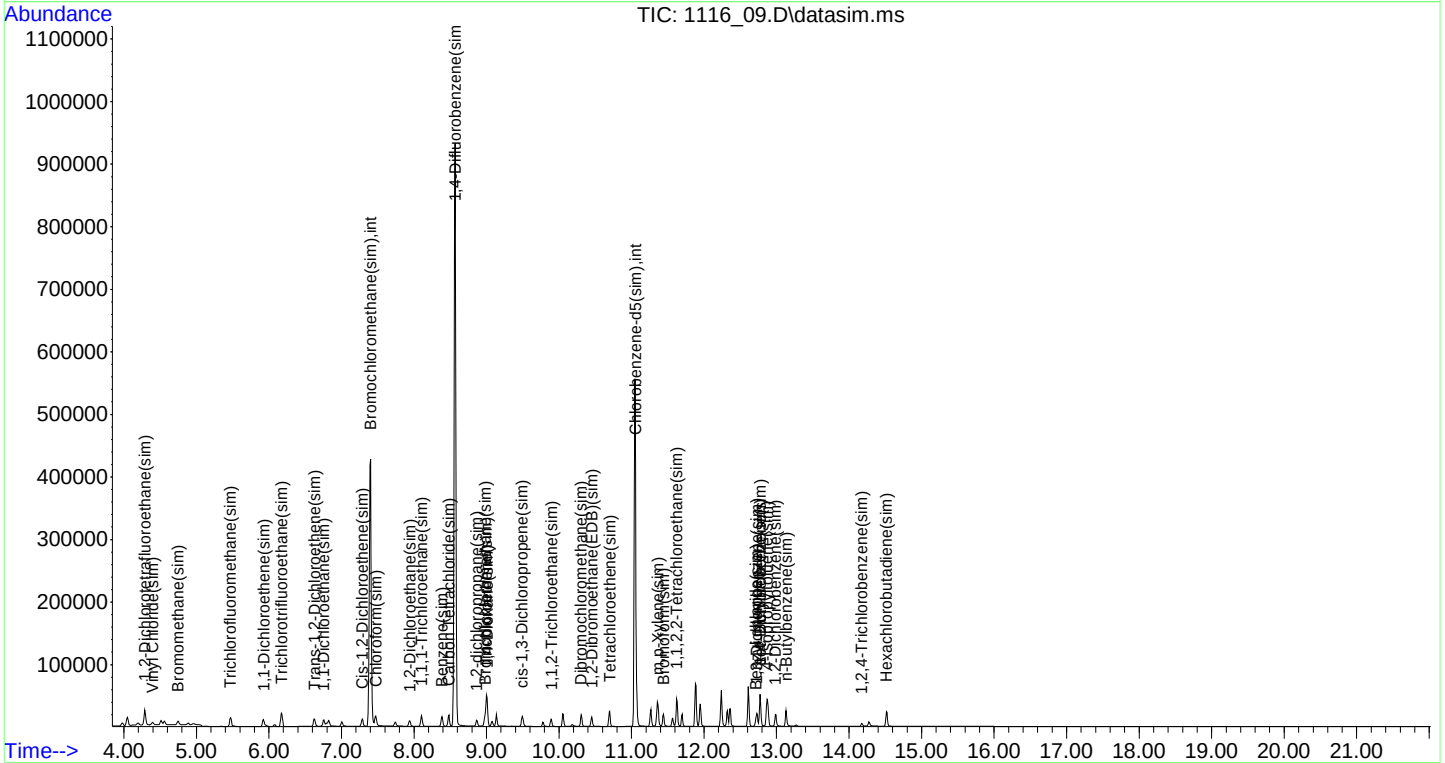
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Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_09.D
Acq On : 16 Nov 2025 5:35 pm
Operator : Keith
Client ID : ICAL 0.2
Lab ID : 0.20 ppb ; TO1515
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 17 07:11:26 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_10.D
Acq On : 16 Nov 2025 6:13 pm
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.50 ppb ; TO1515
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 17 07:11:27 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	232518	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	832137	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	381466	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	259257	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	832137	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	381466	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	494443	9.967	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.70%			
Target Compounds							Qvalue
2) Propylene	3.979	41	8684	0.535	ppbv		97
3) Dichlorodifluoromethane	4.045	85	31018	0.499	ppbv#		96
4) Chloromethane	4.203	50	10450	0.547	ppbv		97
5) 1,2-Dichlorotetrafluor...	4.286	85	34158	0.515	ppbv#		85
6) Vinyl Chloride	4.393	62	12564	0.536	ppbv		98
7) 1,3-Butadiene	4.518	54	8424	0.525	ppbv		94
8) Bromomethane	4.742	94	14516	0.557	ppbv#		98
9) Chloroethane	4.883	64	5824	0.525	ppbv		77
11) Ethanol	4.966	45	4019	0.597	ppbv#		53
12) Acetone	5.343	43	16997	0.526	ppbv		95
13) Trichlorofluoromethane	5.472	101	33109	0.506	ppbv		97
14) Isopropylalcohol	5.515	45	18667	0.487	ppbv#		86
15) Acrylonitrile	5.668	53	6896	0.510	ppbv		94
16) 1,1-Dichloroethene	5.926	61	18996	0.501	ppbv#		83
17) Methylene Chloride	5.997	49	15086	0.541	ppbv#		64
20) Carbon Disulfide	6.230	76	37257	0.505	ppbv		99
21) Trichlorotrifluoroethane	6.176	101	29353	0.510	ppbv		87
22) Trans-1,2-Dichloroethene	6.627	61	17284	0.505	ppbv#		82
23) 1,1-Dichloroethane	6.757	63	23280	0.514	ppbv		96
24) Methyl tert-butyl ethe...	6.789	73	30172	0.471	ppbv#		83
25) Methyl Ethyl Ketone	7.000	43	21167	0.482	ppbv#		84
26) Cis-1,2-Dichloroethene	7.292	61	16070	0.482	ppbv#		76
27) Hexane	7.406	57	16790	0.486	ppbv#		92
28) Chloroform	7.471	83	28814	0.509	ppbv		96
29) Ethyl acetate	7.398	61	4192	0.504	ppbv#		64
30) Tetrahydrofuran	7.738	42	10759	0.492	ppbv#		76
31) 1,2-Dichloroethane	7.941	62	16069	0.507	ppbv		95
32) 1,1,1-Trichloroethane	8.103	97	28346	0.512	ppbv		94
33) Benzene	8.383	78	38590	0.498	ppbv#		91
34) Carbon Tetrachloride	8.478	117	28880	0.501	ppbv		100
35) Cyclohexane	8.556	84	17551	0.525	ppbv#		72
37) 1,2-dichloropropane	8.868	63	14177	0.500	ppbv#		81
38) Bromodichloromethane	8.980	83	30626	0.501	ppbv		98
39) Trichloroethene	8.997	130	19811	0.496	ppbv		97
40) 2,2,4-trimethylpentane	9.006	57	54354	0.476	ppbv		94
41) 1,4-Dioxane	8.997	88	6576	0.403	ppbv#		78
43) Heptane	9.136	43	19357	0.492	ppbv#		81
44) cis-1,3-Dichloropropene	9.486	75	25933	0.474	ppbv		99
45) 4-Methyl-2-pentanone(M...	9.500	43	25161	0.449	ppbv#		90
46) trans-1,3-Dichloropropene	9.774	75	16980	0.459	ppbv		95
47) 1,1,2-Trichloroethane	9.894	97	17102	0.498	ppbv		99
48) Toluene	10.056	91	43496	0.477	ppbv		99

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_10.D
Acq On : 16 Nov 2025 6:13 pm
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.50 ppb ; TO1515
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 17 07:11:27 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	31323	0.467	ppbv	99
50)	2-Hexanone(MBK)	10.175	43	12866	0.287	ppbv#	96
51)	1,2-Dibromoethane(EDB)	10.450	107	27740	0.476	ppbv	99
52)	Tetrachloroethene	10.696	166	26010	0.496	ppbv	95
54)	1,1,1,2-Tetrachloroethane	11.059	131	23667	0.535	ppbv	98
55)	Chlorobenzene	11.074	112	40027	0.528	ppbv	88
56)	Ethylbenzene	11.263	91	54440	0.494	ppbv	96
57)	m,p-Xylene	11.362	91	83998	1.020	ppbv	99
58)	Bromoform	11.438	173	32590	0.492	ppbv	99
59)	Styrene	11.567	104	27548	0.442	ppbv#	93
60)	1,1,2,2-Tetrachloroethane	11.620	83	38200	0.513	ppbv#	90
61)	o-Xylene	11.627	91	44442	0.498	ppbv	98
64)	Isopropylbenzene	11.946	105	65408	0.518	ppbv	99
66)	4-Ethyltoluene	12.320	105	59238	0.482	ppbv	98
67)	1,3,5-Trimethylbenzene	12.359	105	49115	0.486	ppbv#	99
68)	1,2,4-Trimethylbenzene	12.608	105	49729	0.487	ppbv	99
70)	Benzyl chloride	12.709	91	24327	0.354	ppbv	97
71)	1,3-Dichlorobenzene	12.724	146	33250	0.458	ppbv	99
72)	1,4-Dichlorobenzene	12.771	146	29939	0.442	ppbv	96
73)	sec-Butylbenzene	12.779	105	79329	0.512	ppbv	100
74)	4-Isopropyltoluene	12.864	119	69672	0.495	ppbv	98
75)	1,2-Dichlorobenzene	12.989	146	34374	0.482	ppbv	97
76)	n-Butylbenzene	13.128	91	49958	0.439	ppbv	96
77)	1,2,4-Trichlorobenzene	14.170	180	9389	0.208	ppbv	97
78)	Naphthalene	14.271	128	25578	0.252	ppbv#	98
79)	Hexachlorobutadiene	14.520	225	31615	0.507	ppbv	98
81]	1,2-Dichlorotetrafluor...	4.286	85	34158	0.513	ppbv#	85
82]	Vinyl Chloride(sim)	4.396	62	12743	0.505	ppbv	96
83]	Bromomethane(sim)	4.742	94	14516	0.523	ppbv#	97
84]	Trichlorofluoromethane...	5.469	101	36326	0.505	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.941	62	16069	0.487	ppbv	95
86]	1,1,1-Trichloroethane(...	8.106	97	30813	0.513	ppbv#	95
87]	Benzene(sim)	8.383	78	38590	0.476	ppbv#	91
88]	Carbon Tetrachloride(sim)	8.481	117	31774	0.535	ppbv	99
89]	1,1-Dichloroethene(sim)	5.926	61	18996	0.486	ppbv#	83
90]	Trichlorotrifluoroetha...	6.173	101	31902	0.510	ppbv#	93
91]	Trans-1,2-Dichloroethe...	6.627	61	17284	0.511	ppbv#	82
92]	1,1-Dichloroethane(sim)	6.760	63	25023	0.514	ppbv	95
93]	Cis-1,2-Dichloroethene...	7.292	61	16070	0.470	ppbv#	76
94]	Chloroform(sim)	7.473	83	31573	0.476	ppbv#	95
96]	1,2-dichloropropane(sim)	8.862	63	15626	0.494	ppbv#	86
97]	Bromodichloromethane(sim)	8.980	83	30626	0.504	ppbv	99
98]	Trichloroethene(sim)	9.000	130	21631	0.422	ppbv	98
99]	1,4-Dioxane(sim)	8.997	88	6576	0.430	ppbv#	78
100]	cis-1,3-Dichloropropen...	9.489	75	25814	0.503	ppbv	98
101]	1,1,2-Trichloroethane(...	9.894	97	17102	0.490	ppbv	99
102]	Dibromochloromethane(sim)	10.305	129	34616	0.501	ppbv	98
103]	1,2-Dibromoethane(EDB)...	10.450	107	27740	0.496	ppbv	99
104]	Tetrachloroethene(sim)	10.699	166	29088	0.471	ppbv	95
106]	Bromoform(sim)	11.441	173	35026	0.511	ppbv	100
107]	m,p-Xylene(sim)	11.362	91	85778	0.998	ppbv	98
108]	1,1,2,2-Tetrachloroeth...	11.623	83	41822	0.519	ppbv	99
109]	Benzyl chloride(sim)	12.709	91	24327	0.358	ppbv	97
110]	1,3-Dichlorobenzene(sim)	12.727	146	38958	0.491	ppbv	99
111]	1,4-Dichlorobenzene(sim)	12.771	146	29939	0.435	ppbv	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_10.D
Acq On : 16 Nov 2025 6:13 pm
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.50 ppb ; TO1515
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 17 07:11:27 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

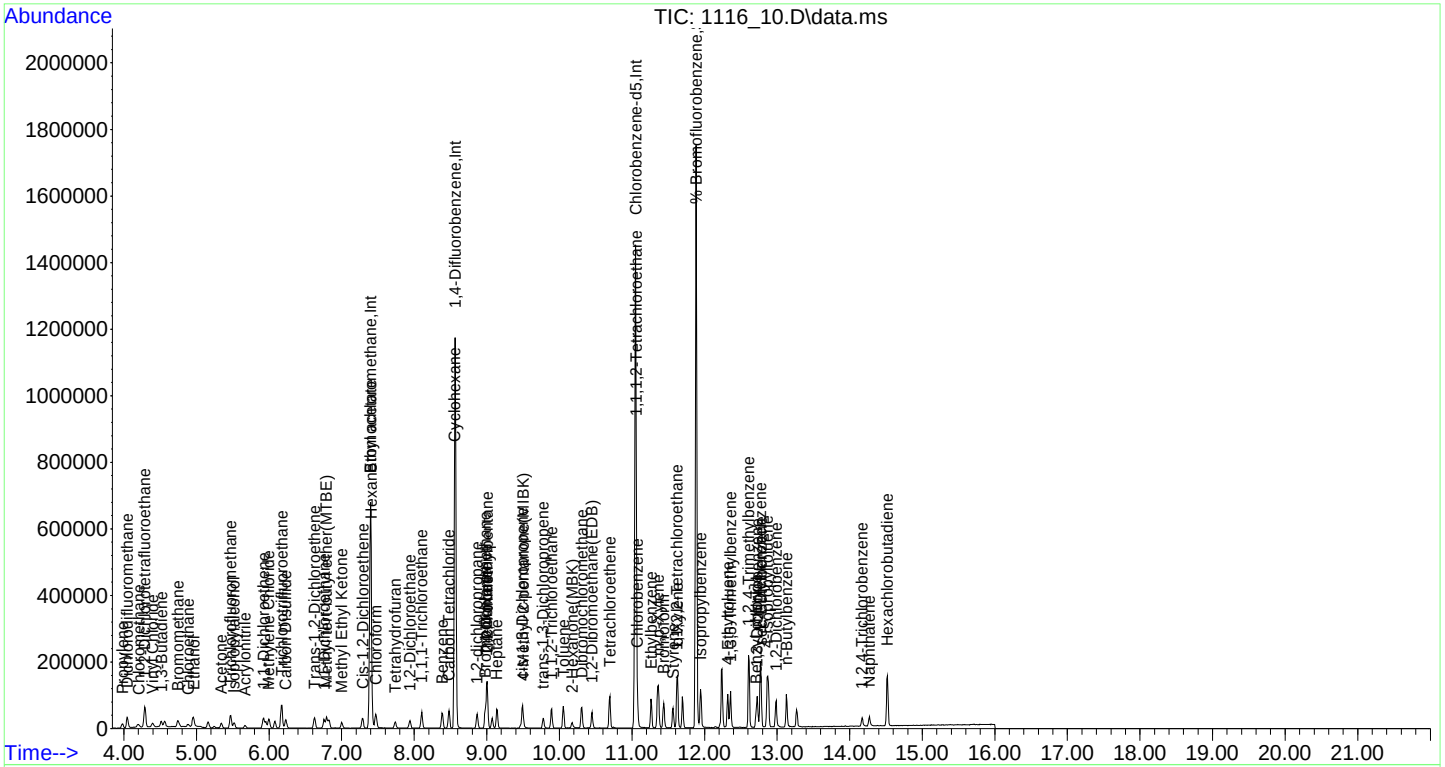
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	86821	0.565	ppbv	99
113] 4-Isopropyltoluene(sim)	12.864	119	69672	0.498	ppbv	97
114] 1,2-Dichlorobenzene(sim)	12.984	146	38223	0.526	ppbv	100
115] n-Butylbenzene(sim)	13.128	91	49961	0.389	ppbv	96
116] 1,2,4-Trichlorobenzene...	14.173	180	11420	0.347	ppbv	99
118] Hexachlorobutadiene(sim)	14.515	225	37270	0.473	ppbv	97

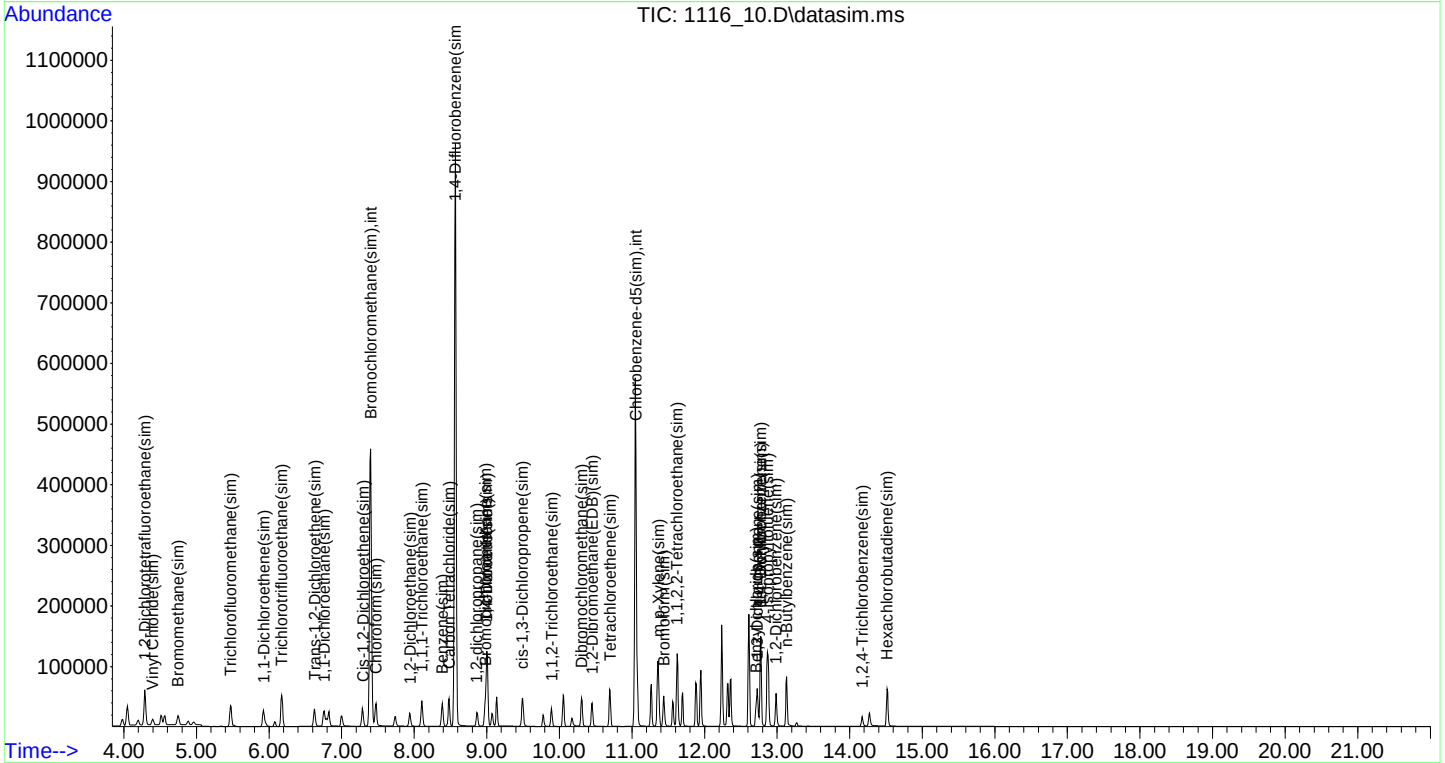
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_10.D
Acq On : 16 Nov 2025 6:13 pm
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.50 ppb ; TO1515
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 17 07:11:27 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_10.D
Acq On : 16 Nov 2025 6:13 pm
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.50 ppb ; TO1515
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 17 07:11:27 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	232518	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	832137	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	381466	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	259257	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	832137	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	381466	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	494443	9.967	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.70%			
Target Compounds							Qvalue
2) Propylene	3.979	41	8684	0.535	ppbv		97
3) Dichlorodifluoromethane	4.045	85	31018	0.499	ppbv#		96
4) Chloromethane	4.203	50	10450	0.547	ppbv		97
5) 1,2-Dichlorotetrafluor...	4.286	85	34158	0.515	ppbv#		85
6) Vinyl Chloride	4.393	62	12564	0.536	ppbv		98
7) 1,3-Butadiene	4.518	54	8424	0.525	ppbv		94
8) Bromomethane	4.742	94	14516	0.557	ppbv#		98
9) Chloroethane	4.883	64	5824	0.525	ppbv		77
11) Ethanol	4.966	45	4019	0.597	ppbv#		53
12) Acetone	5.343	43	16997	0.526	ppbv		95
13) Trichlorofluoromethane	5.472	101	33109	0.506	ppbv		97
14) Isopropylalcohol	5.515	45	18667	0.487	ppbv#		86
15) Acrylonitrile	5.668	53	6896	0.510	ppbv		94
16) 1,1-Dichloroethene	5.926	61	18996	0.501	ppbv#		83
17) Methylene Chloride	5.997	49	15086	0.541	ppbv#		64
20) Carbon Disulfide	6.230	76	37257	0.505	ppbv		99
21) Trichlorotrifluoroethane	6.176	101	29353	0.510	ppbv		87
22) Trans-1,2-Dichloroethene	6.627	61	17284	0.505	ppbv#		82
23) 1,1-Dichloroethane	6.757	63	23280	0.514	ppbv		96
24) Methyl tert-butyl ethe...	6.789	73	30172	0.471	ppbv#		83
25) Methyl Ethyl Ketone	7.000	43	21167	0.482	ppbv#		84
26) Cis-1,2-Dichloroethene	7.292	61	16070	0.482	ppbv#		76
27) Hexane	7.406	57	16790	0.486	ppbv#		92
28) Chloroform	7.471	83	28814	0.509	ppbv		96
29) Ethyl acetate	7.398	61	4192	0.504	ppbv#		64
30) Tetrahydrofuran	7.738	42	10759	0.492	ppbv#		76
31) 1,2-Dichloroethane	7.941	62	16069	0.507	ppbv		95
32) 1,1,1-Trichloroethane	8.103	97	28346	0.512	ppbv		94
33) Benzene	8.383	78	38590	0.498	ppbv#		91
34) Carbon Tetrachloride	8.478	117	28880	0.501	ppbv		100
35) Cyclohexane	8.556	84	17551	0.525	ppbv#		72
37) 1,2-dichloropropane	8.868	63	14177	0.500	ppbv#		81
38) Bromodichloromethane	8.980	83	30626	0.501	ppbv		98
39) Trichloroethene	8.997	130	19811	0.496	ppbv		97
40) 2,2,4-trimethylpentane	9.006	57	54354	0.476	ppbv		94
41) 1,4-Dioxane	8.997	88	6576	0.403	ppbv#		78
43) Heptane	9.136	43	19357	0.492	ppbv#		81
44) cis-1,3-Dichloropropene	9.486	75	25933	0.474	ppbv		99
45) 4-Methyl-2-pentanone(M...	9.500	43	25161	0.449	ppbv#		90
46) trans-1,3-Dichloropropene	9.774	75	16980	0.459	ppbv		95
47) 1,1,2-Trichloroethane	9.894	97	17102	0.498	ppbv		99
48) Toluene	10.056	91	43496	0.477	ppbv		99

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_10.D
Acq On : 16 Nov 2025 6:13 pm
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.50 ppb ; TO1515
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 17 07:11:27 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	31323	0.467	ppbv	99
50)	2-Hexanone(MBK)	10.175	43	12866	0.287	ppbv#	96
51)	1,2-Dibromoethane(EDB)	10.450	107	27740	0.476	ppbv	99
52)	Tetrachloroethene	10.696	166	26010	0.496	ppbv	95
54)	1,1,1,2-Tetrachloroethane	11.059	131	23667	0.535	ppbv	98
55)	Chlorobenzene	11.074	112	40027	0.528	ppbv	88
56)	Ethylbenzene	11.263	91	54440	0.494	ppbv	96
57)	m,p-Xylene	11.362	91	83998	1.020	ppbv	99
58)	Bromoform	11.438	173	32590	0.492	ppbv	99
59)	Styrene	11.567	104	27548	0.442	ppbv#	93
60)	1,1,2,2-Tetrachloroethane	11.620	83	38200	0.513	ppbv#	90
61)	o-Xylene	11.627	91	44442	0.498	ppbv	98
64)	Isopropylbenzene	11.946	105	65408	0.518	ppbv	99
66)	4-Ethyltoluene	12.320	105	59238	0.482	ppbv	98
67)	1,3,5-Trimethylbenzene	12.359	105	49115	0.486	ppbv#	99
68)	1,2,4-Trimethylbenzene	12.608	105	49729	0.487	ppbv	99
70)	Benzyl chloride	12.709	91	24327	0.354	ppbv	97
71)	1,3-Dichlorobenzene	12.724	146	33250	0.458	ppbv	99
72)	1,4-Dichlorobenzene	12.771	146	29939	0.442	ppbv	96
73)	sec-Butylbenzene	12.779	105	79329	0.512	ppbv	100
74)	4-Isopropyltoluene	12.864	119	69672	0.495	ppbv	98
75)	1,2-Dichlorobenzene	12.989	146	34374	0.482	ppbv	97
76)	n-Butylbenzene	13.128	91	49958	0.439	ppbv	96
77)	1,2,4-Trichlorobenzene	14.170	180	9389	0.208	ppbv	97
78)	Naphthalene	14.271	128	25578	0.252	ppbv#	98
79)	Hexachlorobutadiene	14.520	225	31615	0.507	ppbv	98
81]	1,2-Dichlorotetrafluor...	4.286	85	34158	0.513	ppbv#	85
82]	Vinyl Chloride(sim)	4.396	62	12743	0.505	ppbv	96
83]	Bromomethane(sim)	4.742	94	14516	0.523	ppbv#	97
84]	Trichlorofluoromethane...	5.469	101	36326	0.505	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.941	62	16069	0.487	ppbv	95
86]	1,1,1-Trichloroethane(...	8.106	97	30813	0.513	ppbv#	95
87]	Benzene(sim)	8.383	78	38590	0.476	ppbv#	91
88]	Carbon Tetrachloride(sim)	8.481	117	31774	0.535	ppbv	99
89]	1,1-Dichloroethene(sim)	5.926	61	18996	0.486	ppbv#	83
90]	Trichlorotrifluoroetha...	6.173	101	31902	0.510	ppbv#	93
91]	Trans-1,2-Dichloroethe...	6.627	61	17284	0.511	ppbv#	82
92]	1,1-Dichloroethane(sim)	6.760	63	25023	0.514	ppbv	95
93]	Cis-1,2-Dichloroethene...	7.292	61	16070	0.470	ppbv#	76
94]	Chloroform(sim)	7.473	83	31573	0.476	ppbv#	95
96]	1,2-dichloropropane(sim)	8.862	63	15626	0.494	ppbv#	86
97]	Bromodichloromethane(sim)	8.980	83	30626	0.504	ppbv	99
98]	Trichloroethene(sim)	9.000	130	21631	0.422	ppbv	98
99]	1,4-Dioxane(sim)	8.997	88	6576	0.430	ppbv#	78
100]	cis-1,3-Dichloropropen...	9.489	75	25814	0.503	ppbv	98
101]	1,1,2-Trichloroethane(...	9.894	97	17102	0.490	ppbv	99
102]	Dibromochloromethane(sim)	10.305	129	34616	0.501	ppbv	98
103]	1,2-Dibromoethane(EDB)...	10.450	107	27740	0.496	ppbv	99
104]	Tetrachloroethene(sim)	10.699	166	29088	0.471	ppbv	95
106]	Bromoform(sim)	11.441	173	35026	0.511	ppbv	100
107]	m,p-Xylene(sim)	11.362	91	85778	0.998	ppbv	98
108]	1,1,2,2-Tetrachloroeth...	11.623	83	41822	0.519	ppbv	99
109]	Benzyl chloride(sim)	12.709	91	24327	0.358	ppbv	97
110]	1,3-Dichlorobenzene(sim)	12.727	146	38958	0.491	ppbv	99
111]	1,4-Dichlorobenzene(sim)	12.771	146	29939	0.435	ppbv	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_10.D
Acq On : 16 Nov 2025 6:13 pm
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.50 ppb ; TO1515
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 17 07:11:27 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

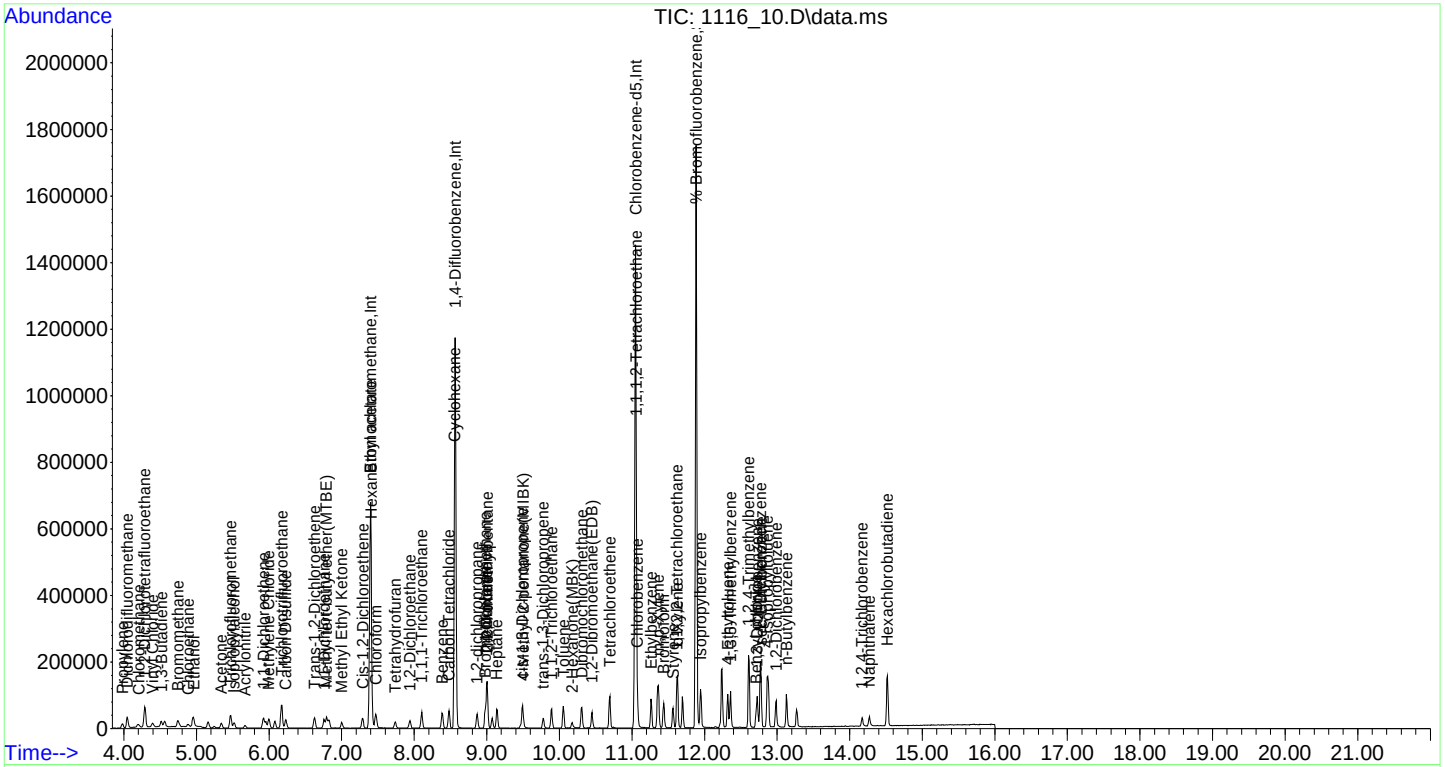
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	86821	0.565	ppbv	99
113] 4-Isopropyltoluene(sim)	12.864	119	69672	0.498	ppbv	97
114] 1,2-Dichlorobenzene(sim)	12.984	146	38223	0.526	ppbv	100
115] n-Butylbenzene(sim)	13.128	91	49961	0.389	ppbv	96
116] 1,2,4-Trichlorobenzene...	14.173	180	11420	0.347	ppbv	99
118] Hexachlorobutadiene(sim)	14.515	225	37270	0.473	ppbv	97

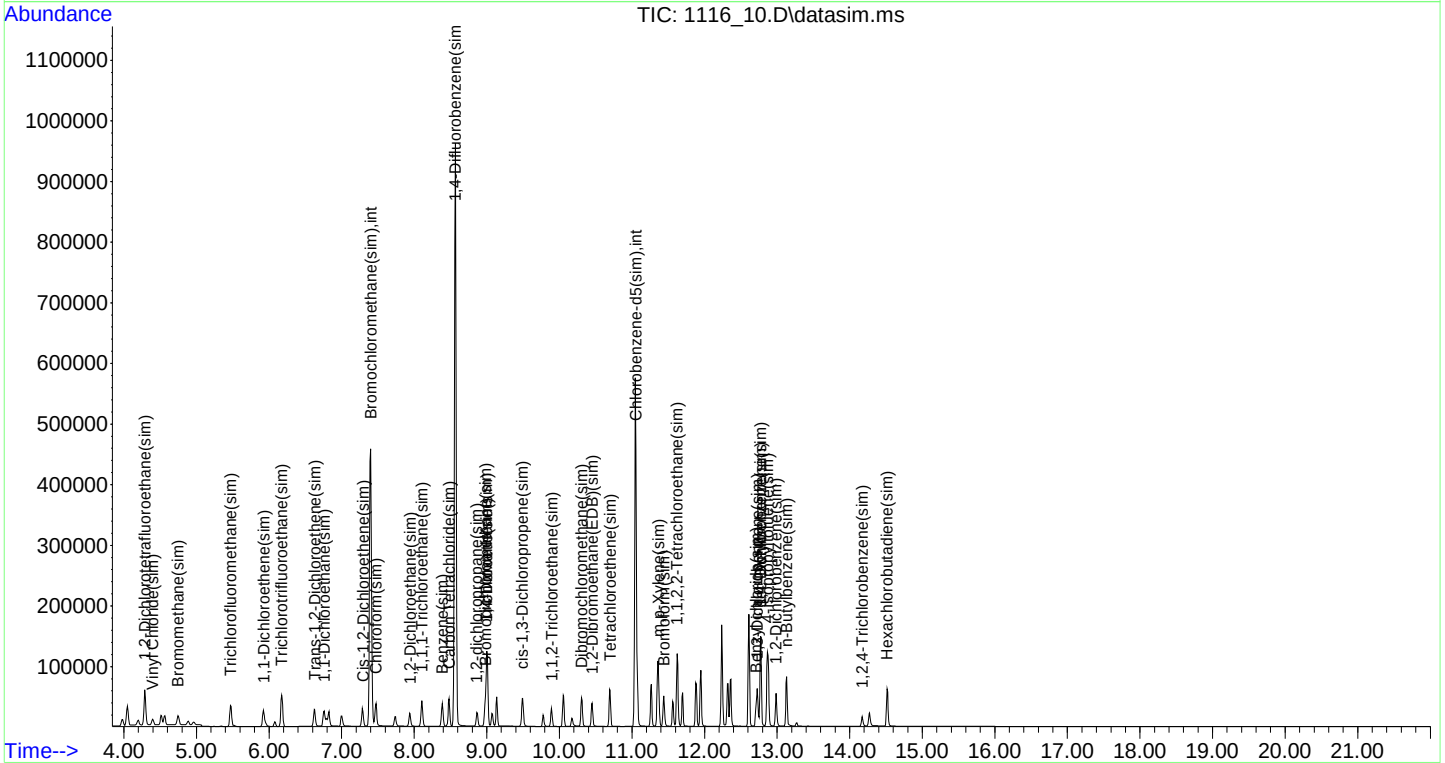
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_10.D
Acq On : 16 Nov 2025 6:13 pm
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.50 ppb ; TO1515
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 17 07:11:27 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
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Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_11.D
Acq On : 16 Nov 2025 6:52 pm
Operator : Keith
Client ID : ICAL 2.5
Lab ID : 2.5 ppb ; TO1515
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 17 07:11:28 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	238905	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	839608	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	399062	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	265755	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	839608	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	399062	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	516843	9.959	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.60%				
Target Compounds							Qvalue
2) Propylene	3.979	41	39235	2.355	ppbv		98
3) Dichlorodifluoromethane	4.045	85	157604	2.467	ppbv#		95
4) Chloromethane	4.194	50	48835	2.490	ppbv		99
5) 1,2-Dichlorotetrafluor...	4.286	85	168826	2.477	ppbv#		83
6) Vinyl Chloride	4.393	62	58598	2.432	ppbv		96
7) 1,3-Butadiene	4.518	54	41421	2.511	ppbv		89
8) Bromomethane	4.742	94	65765	2.456	ppbv#		96
9) Chloroethane	4.883	64	27783	2.438	ppbv		86
11) Ethanol	4.957	45	15996	2.313	ppbv		96
12) Acetone	5.331	43	80622	2.429	ppbv		94
13) Trichlorofluoromethane	5.472	101	165344	2.461	ppbv		97
14) Isopropylalcohol	5.503	45	95829	2.432	ppbv#		93
15) Acrylonitrile	5.668	53	34169	2.461	ppbv		96
16) 1,1-Dichloroethene	5.920	61	96492	2.477	ppbv#		85
17) Methylene Chloride	5.997	49	70029	2.446	ppbv#		67
20) Carbon Disulfide	6.230	76	185106	2.444	ppbv		99
21) Trichlorotrifluoroethane	6.170	101	143013	2.418	ppbv		89
22) Trans-1,2-Dichloroethene	6.627	61	84787	2.411	ppbv#		80
23) 1,1-Dichloroethane	6.757	63	113231	2.431	ppbv		97
24) Methyl tert-butyl ethe...	6.781	73	157924	2.401	ppbv#		81
25) Methyl Ethyl Ketone	6.992	43	109643	2.431	ppbv#		85
26) Cis-1,2-Dichloroethene	7.284	61	82758	2.415	ppbv#		81
27) Hexane	7.406	57	87360	2.460	ppbv#		91
28) Chloroform	7.471	83	142272	2.447	ppbv		95
29) Ethyl acetate	7.389	61	20939	2.449	ppbv#		68
30) Tetrahydrofuran	7.730	42	53284	2.373	ppbv#		65
31) 1,2-Dichloroethane	7.941	62	79574	2.445	ppbv		94
32) 1,1,1-Trichloroethane	8.103	97	138099	2.428	ppbv		94
33) Benzene	8.383	78	189910	2.383	ppbv#		92
34) Carbon Tetrachloride	8.478	117	144587	2.439	ppbv		100
35) Cyclohexane	8.556	84	81142	2.363	ppbv#		65
37) 1,2-dichloropropane	8.868	63	72277	2.524	ppbv#		83
38) Bromodichloromethane	8.980	83	151719	2.461	ppbv		97
39) Trichloroethene	8.997	130	99118	2.461	ppbv		99
40) 2,2,4-trimethylpentane	9.006	57	298555	2.592	ppbv		94
41) 1,4-Dioxane	8.989	88	41680	2.533	ppbv#		80
43) Heptane	9.136	43	99229	2.497	ppbv#		80
44) cis-1,3-Dichloropropene	9.486	75	135821	2.461	ppbv		98
45) 4-Methyl-2-pentanone(M...	9.486	43	141929	2.508	ppbv#		83
46) trans-1,3-Dichloropropene	9.774	75	89256	2.390	ppbv		96
47) 1,1,2-Trichloroethane	9.894	97	86224	2.488	ppbv		99
48) Toluene	10.056	91	227097	2.466	ppbv		96

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_11.D
Acq On : 16 Nov 2025 6:52 pm
Operator : Keith
Client ID : ICAL 2.5
Lab ID : 2.5 ppb ; TO1515
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 17 07:11:28 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.302	129	166221	2.457	ppbv	99
50) 2-Hexanone(MBK)	10.161	43	111387	2.462	ppbv#	94
51) 1,2-Dibromoethane(EDB)	10.450	107	144998	2.463	ppbv	99
52) Tetrachloroethene	10.696	166	130106	2.457	ppbv	94
54) 1,1,1,2-Tetrachloroethane	11.058	131	117062	2.527	ppbv	98
55) Chlorobenzene	11.074	112	198496	2.503	ppbv	98
56) Ethylbenzene	11.263	91	297052	2.577	ppbv	97
57) m,p-Xylene	11.354	91	479223	5.561	ppbv	97
58) Bromoform	11.438	173	171339	2.473	ppbv	100
59) Styrene	11.567	104	164814	2.530	ppbv#	92
60) 1,1,2,2-Tetrachloroethane	11.620	83	200296	2.571	ppbv	91
61) o-Xylene	11.627	91	243210	2.606	ppbv	96
64) Isopropylbenzene	11.946	105	350695	2.656	ppbv	99
66) 4-Ethyltoluene	12.320	105	337398	2.626	ppbv	98
67) 1,3,5-Trimethylbenzene	12.359	105	292003	2.763	ppbv	94
68) 1,2,4-Trimethylbenzene	12.608	105	286456	2.679	ppbv	99
70) Benzyl chloride	12.709	91	178881	2.491	ppbv	97
71) 1,3-Dichlorobenzene	12.724	146	200009	2.631	ppbv	98
72) 1,4-Dichlorobenzene	12.763	146	184264	2.601	ppbv	98
73) sec-Butylbenzene	12.771	105	440241	2.717	ppbv	100
74) 4-Isopropyltoluene	12.864	119	393780	2.672	ppbv	98
75) 1,2-Dichlorobenzene	12.988	146	191523	2.565	ppbv	97
76) n-Butylbenzene	13.128	91	313480	2.634	ppbv	95
77) 1,2,4-Trichlorobenzene	14.170	180	86062	1.819	ppbv	97
78) Naphthalene	14.271	128	241438	2.270	ppbv#	98
79) Hexachlorobutadiene	14.520	225	167122	2.563	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.286	85	168571	2.471	ppbv#	83
82] Vinyl Chloride(sim)	4.396	62	62756	2.425	ppbv	97
83] Bromomethane(sim)	4.742	94	65765	2.311	ppbv#	95
84] Trichlorofluoromethane...	5.469	101	184441	2.503	ppbv#	98
85] 1,2-Dichloroethane(sim)	7.941	62	79574	2.351	ppbv	94
86] 1,1,1-Trichloroethane(...	8.106	97	155820	2.529	ppbv#	94
87] Benzene(sim)	8.383	78	189910	2.285	ppbv#	92
88] Carbon Tetrachloride(sim)	8.481	117	163266	2.682	ppbv	98
89] 1,1-Dichloroethene(sim)	5.920	61	96492	2.410	ppbv#	85
90] Trichlorotrifluoroetha...	6.173	101	161090	2.513	ppbv#	93
91] Trans-1,2-Dichloroethe...	6.627	61	84787	2.446	ppbv#	80
92] 1,1-Dichloroethane(sim)	6.752	63	125648	2.516	ppbv	96
93] Cis-1,2-Dichloroethene...	7.284	61	82758	2.363	ppbv#	81
94] Chloroform(sim)	7.473	83	157894	2.324	ppbv#	94
96] 1,2-dichloropropane(sim)	8.862	63	78315	2.452	ppbv#	86
97] Bromodichloromethane(sim)	8.980	83	151719	2.476	ppbv	98
98] Trichloroethene(sim)	9.000	130	112169	2.170	ppbv	98
99] 1,4-Dioxane(sim)	8.989	88	41680	2.703	ppbv#	80
100] cis-1,3-Dichloropropen...	9.489	75	139602	2.694	ppbv	97
101] 1,1,2-Trichloroethane(...	9.894	97	86224	2.448	ppbv	99
102] Dibromochloromethane(sim)	10.305	129	184729	2.651	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.450	107	144998	2.568	ppbv	99
104] Tetrachloroethene(sim)	10.692	166	148192	2.378	ppbv	95
106] Bromoform(sim)	11.441	173	187809	2.621	ppbv	100
107] m,p-Xylene(sim)	11.354	91	481942	5.360	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.623	83	221478	2.625	ppbv	99
109] Benzyl chloride(sim)	12.709	91	178881	2.515	ppbv	97
110] 1,3-Dichlorobenzene(sim)	12.727	146	240515	2.898	ppbv	97
111] 1,4-Dichlorobenzene(sim)	12.763	146	184264	2.558	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_11.D
Acq On : 16 Nov 2025 6:52 pm
Operator : Keith
Client ID : ICAL 2.5
Lab ID : 2.5 ppb ; TO1515
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 17 07:11:28 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

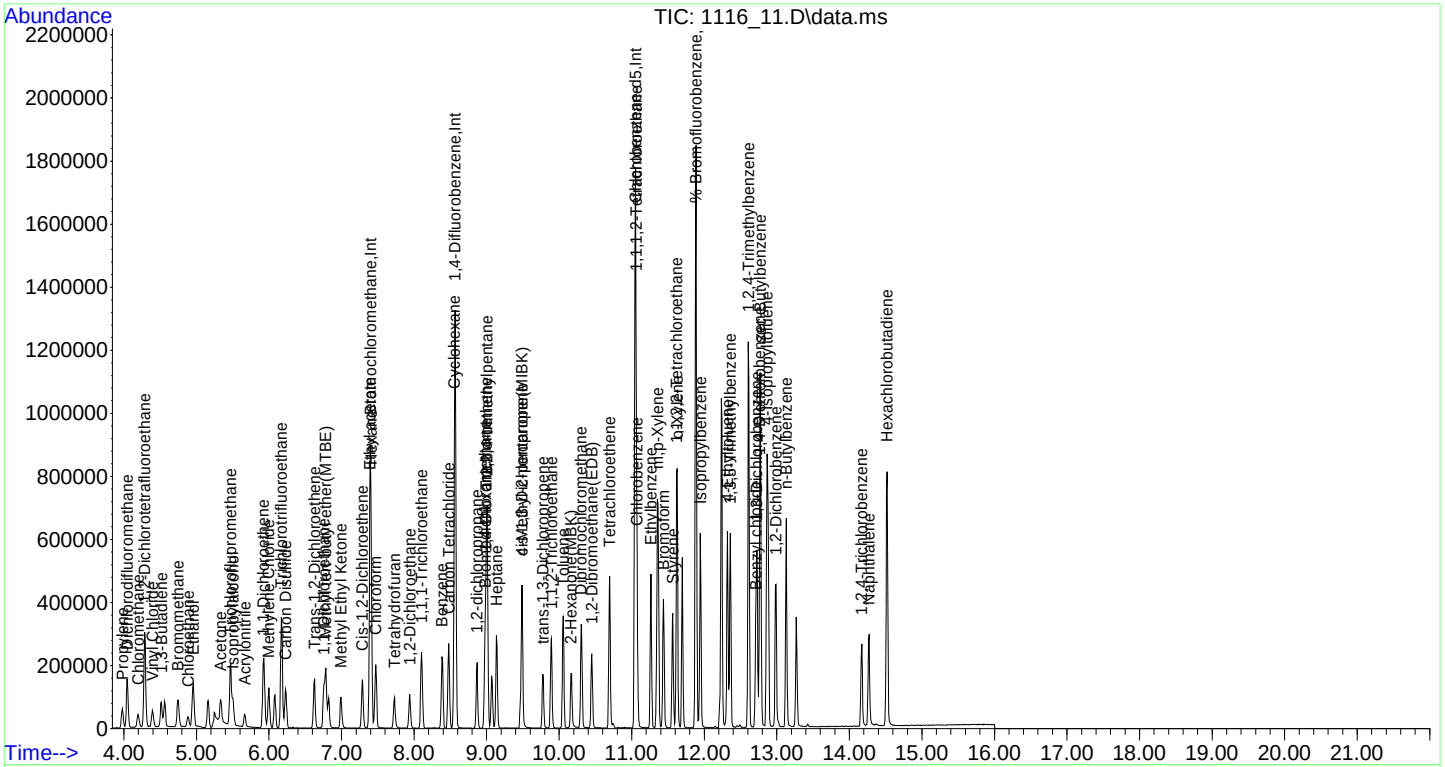
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	496706	3.088	ppbv	100
113] 4-Isopropyltoluene(sim)	12.864	119	395093	2.699	ppbv	98
114] 1,2-Dichlorobenzene(sim)	12.984	146	222421	2.927	ppbv	99
115] n-Butylbenzene(sim)	13.128	91	313480	2.331	ppbv	95
116] 1,2,4-Trichlorobenzene...	14.165	180	101388	1.194	ppbv	98
118] Hexachlorobutadiene(sim)	14.515	225	199477	2.421	ppbv	98

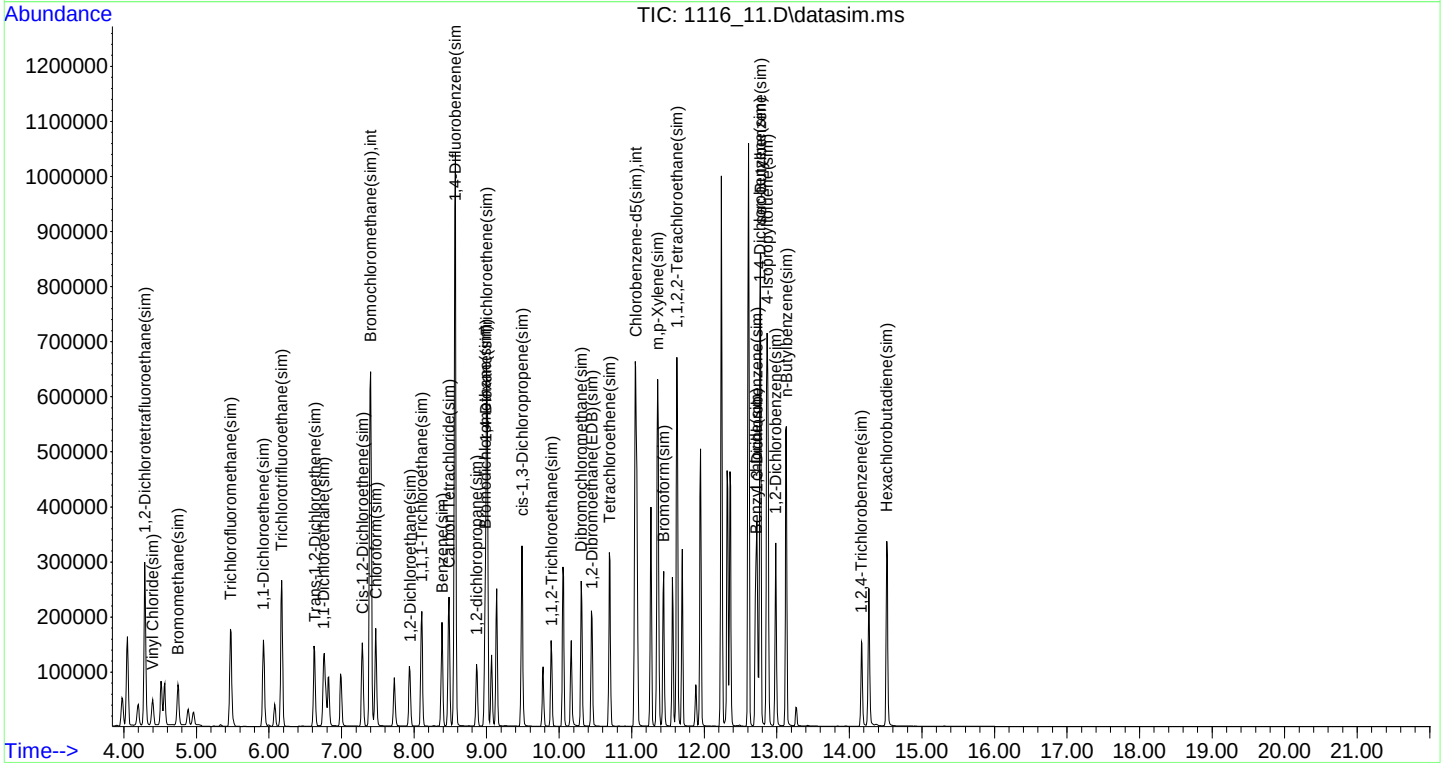
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_11.D
Acq On : 16 Nov 2025 6:52 pm
Operator : Keith
Client ID : ICAL 2.5
Lab ID : 2.5 ppb ; TO1515
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 17 07:11:28 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_12.D
Acq On : 16 Nov 2025 7:27 pm
Operator : Keith
Client ID : ICAL 5
Lab ID : 5.0 ppb ; TO1515
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 17 07:11:29 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.397	130	241082	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	870186	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	404708	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	268296	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	870186	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	404708	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	526569	10.005	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%				
Target Compounds							Qvalue
2) Propylene	3.979	41	77492	4.609	ppbv		99
3) Dichlorodifluoromethane	4.045	85	315479	4.894	ppbv#		94
4) Chloromethane	4.194	50	95780	4.839	ppbv		99
5) 1,2-Dichlorotetrafluor...	4.286	85	333272	4.845	ppbv#		83
6) Vinyl Chloride	4.393	62	116163	4.777	ppbv		98
7) 1,3-Butadiene	4.509	54	80259	4.821	ppbv		92
8) Bromomethane	4.742	94	127652	4.723	ppbv#		98
9) Chloroethane	4.883	64	54501	4.740	ppbv		87
11) Ethanol	4.957	45	28702	4.113	ppbv		91
12) Acetone	5.331	43	150400	4.490	ppbv		96
13) Trichlorofluoromethane	5.466	101	324189	4.782	ppbv		98
14) Isopropylalcohol	5.497	45	201248	5.061	ppbv#		94
15) Acrylonitrile	5.662	53	65436	4.670	ppbv		97
16) 1,1-Dichloroethene	5.920	61	192238	4.890	ppbv#		85
17) Methylene Chloride	5.997	49	134004	4.638	ppbv#		66
20) Carbon Disulfide	6.229	76	367993	4.815	ppbv		99
21) Trichlorotrifluoroethane	6.170	101	282081	4.727	ppbv		89
22) Trans-1,2-Dichloroethene	6.627	61	173351	4.885	ppbv#		81
23) 1,1-Dichloroethane	6.757	63	223352	4.753	ppbv		96
24) Methyl tert-butyl ethe...	6.781	73	311153	4.688	ppbv#		79
25) Methyl Ethyl Ketone	6.984	43	213610	4.694	ppbv#		85
26) Cis-1,2-Dichloroethene	7.284	61	163755	4.735	ppbv#		81
27) Hexane	7.406	57	173432	4.839	ppbv#		90
28) Chloroform	7.470	83	278306	4.743	ppbv		95
29) Ethyl acetate	7.389	61	40247	4.666	ppbv#		64
30) Tetrahydrofuran	7.722	42	107643	4.751	ppbv#		65
31) 1,2-Dichloroethane	7.941	62	159404	4.854	ppbv		94
32) 1,1,1-Trichloroethane	8.103	97	271424	4.729	ppbv		96
33) Benzene	8.383	78	384310	4.779	ppbv#		91
34) Carbon Tetrachloride	8.478	117	286198	4.785	ppbv		100
35) Cyclohexane	8.556	84	159974	4.617	ppbv#		65
37) 1,2-dichloropropane	8.868	63	141700	4.775	ppbv#		83
38) Bromodichloromethane	8.980	83	302852	4.740	ppbv		98
39) Trichloroethene	8.997	130	196495	4.708	ppbv		99
40) 2,2,4-trimethylpentane	9.006	57	592852	4.966	ppbv		94
41) 1,4-Dioxane	8.989	88	91135	5.345	ppbv#		79
43) Heptane	9.136	43	202071	4.907	ppbv#		81
44) cis-1,3-Dichloropropene	9.486	75	266698	4.663	ppbv		100
45) 4-Methyl-2-pentanone(M...	9.486	43	302808	5.162	ppbv#		86
46) trans-1,3-Dichloropropene	9.774	75	185220	4.786	ppbv		96
47) 1,1,2-Trichloroethane	9.887	97	167876	4.675	ppbv		99
48) Toluene	10.056	91	460217	4.822	ppbv		98

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_12.D
Acq On : 16 Nov 2025 7:27 pm
Operator : Keith
Client ID : ICAL 5
Lab ID : 5.0 ppb ; TO1515
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 17 07:11:29 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.302	129	332183	4.737	ppbv	99
50) 2-Hexanone(MBK)	10.161	43	247527	5.280	ppbv#	92
51) 1,2-Dibromoethane(EDB)	10.450	107	291373	4.776	ppbv	99
52) Tetrachloroethene	10.696	166	259341	4.725	ppbv	93
54) 1,1,1,2-Tetrachloroethane	11.058	131	224173	4.772	ppbv	98
55) Chlorobenzene	11.074	112	387715	4.821	ppbv	100
56) Ethylbenzene	11.263	91	597214	5.109	ppbv	96
57) m,p-Xylene	11.354	91	938900	10.742	ppbv	97
58) Bromoform	11.438	173	343957	4.894	ppbv	99
59) Styrene	11.566	104	339350	5.137	ppbv#	93
60) 1,1,2,2-Tetrachloroethane	11.620	83	396818	5.023	ppbv	91
61) o-Xylene	11.627	91	478372	5.054	ppbv	96
64) Isopropylbenzene	11.946	105	669858	5.002	ppbv	99
66) 4-Ethyltoluene	12.320	105	670207	5.143	ppbv	99
67) 1,3,5-Trimethylbenzene	12.359	105	569161	5.311	ppbv	95
68) 1,2,4-Trimethylbenzene	12.607	105	578505	5.336	ppbv	99
70) Benzyl chloride	12.709	91	405037	5.562	ppbv	97
71) 1,3-Dichlorobenzene	12.724	146	406444	5.273	ppbv	98
72) 1,4-Dichlorobenzene	12.763	146	370186	5.153	ppbv	99
73) sec-Butylbenzene	12.771	105	882123	5.368	ppbv	100
74) 4-Isopropyltoluene	12.864	119	800782	5.359	ppbv	99
75) 1,2-Dichlorobenzene	12.988	146	376367	4.971	ppbv	97
76) n-Butylbenzene	13.128	91	686315	5.685	ppbv	94
77) 1,2,4-Trichlorobenzene	14.170	180	233789	4.871	ppbv	95
78) Naphthalene	14.271	128	587028	5.442	ppbv#	99
79) Hexachlorobutadiene	14.520	225	327589	4.953	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.286	85	332897	4.833	ppbv#	83
82] Vinyl Chloride(sim)	4.396	62	124965	4.783	ppbv	98
83] Bromomethane(sim)	4.742	94	127652	4.444	ppbv#	98
84] Trichlorofluoromethane...	5.469	101	368977	4.960	ppbv#	98
85] 1,2-Dichloroethane(sim)	7.941	62	159394	4.665	ppbv	94
86] 1,1,1-Trichloroethane(...	8.106	97	309942	4.983	ppbv#	94
87] Benzene(sim)	8.383	78	384474	4.582	ppbv#	91
88] Carbon Tetrachloride(sim)	8.481	117	326402	5.312	ppbv	98
89] 1,1-Dichloroethene(sim)	5.920	61	192238	4.756	ppbv#	86
90] Trichlorotrifluoroetha...	6.173	101	318589	4.923	ppbv#	93
91] Trans-1,2-Dichloroethe...	6.627	61	173351	4.953	ppbv#	81
92] 1,1-Dichloroethane(sim)	6.752	63	250174	4.961	ppbv	96
93] Cis-1,2-Dichloroethene...	7.284	61	163755	4.632	ppbv#	81
94] Chloroform(sim)	7.473	83	312005	4.549	ppbv#	94
96] 1,2-dichloropropane(sim)	8.862	63	156929	4.741	ppbv#	85
97] Bromodichloromethane(sim)	8.980	83	302852	4.769	ppbv	99
98] Trichloroethene(sim)	9.000	130	223332	4.170	ppbv	98
99] 1,4-Dioxane(sim)	8.989	88	91135	5.703	ppbv#	79
100] cis-1,3-Dichloropropen...	9.481	75	288220	5.367	ppbv	97
101] 1,1,2-Trichloroethane(...	9.887	97	167790	4.596	ppbv	99
102] Dibromochloromethane(sim)	10.305	129	371378	5.142	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.450	107	291373	4.978	ppbv	99
104] Tetrachloroethene(sim)	10.692	166	296222	4.587	ppbv	94
106] Bromoform(sim)	11.440	173	380553	5.236	ppbv	100
107] m,p-Xylene(sim)	11.354	91	941434	10.324	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.622	83	438608	5.126	ppbv	99
109] Benzyl chloride(sim)	12.709	91	405037	5.615	ppbv	97
110] 1,3-Dichlorobenzene(sim)	12.727	146	493242	5.860	ppbv	97
111] 1,4-Dichlorobenzene(sim)	12.763	146	370186	5.066	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_12.D
Acq On : 16 Nov 2025 7:27 pm
Operator : Keith
Client ID : ICAL 5
Lab ID : 5.0 ppb ; TO1515
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 17 07:11:29 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

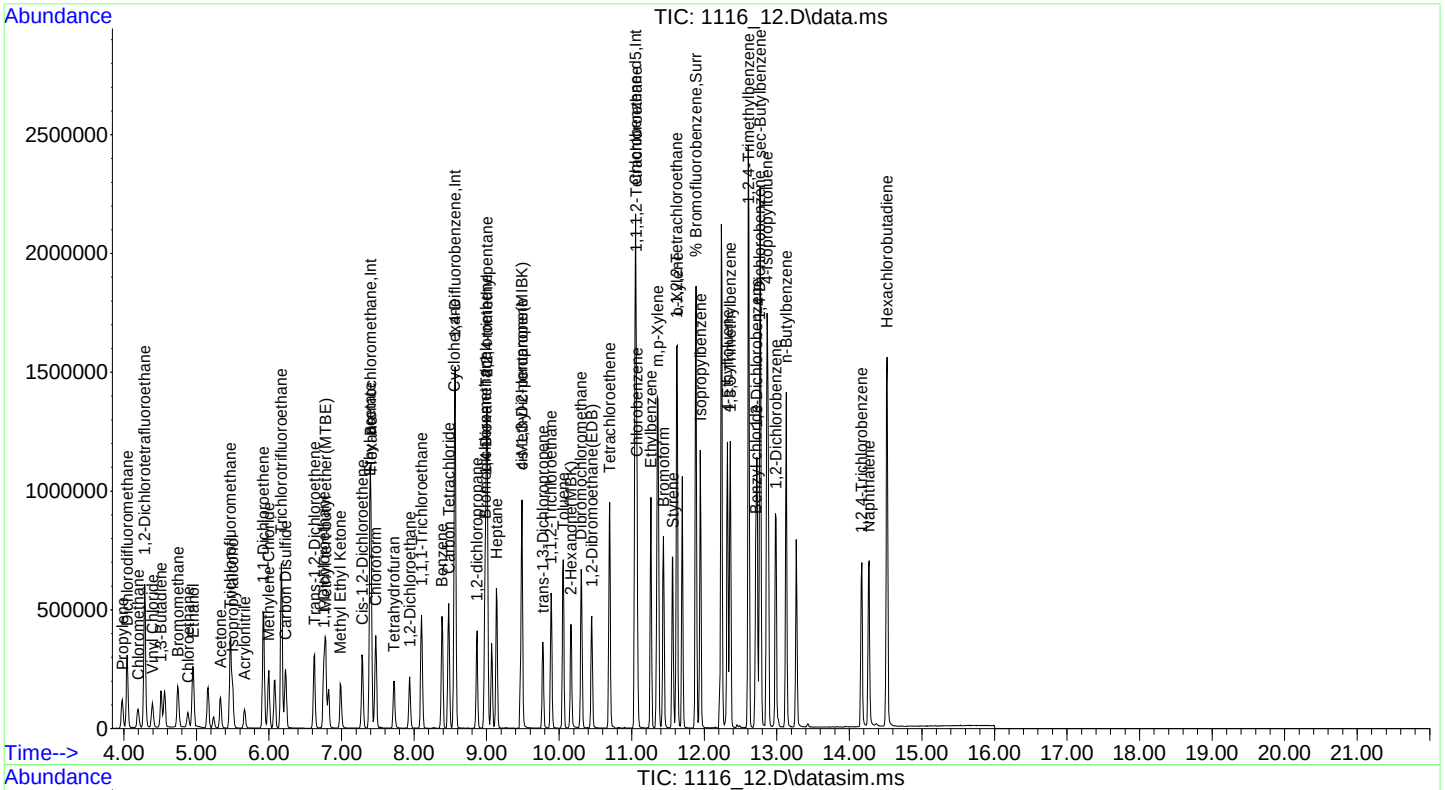
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	1004835	6.159	ppbv	99
113] 4-Isopropyltoluene(sim)	12.864	119	802424	5.405	ppbv	99
114] 1,2-Dichlorobenzene(sim)	12.984	146	446952	5.800	ppbv	99
115] n-Butylbenzene(sim)	13.128	91	686315	5.032	ppbv	94
116] 1,2,4-Trichlorobenzene...	14.165	180	279097	2.037	ppbv	98
118] Hexachlorobutadiene(sim)	14.515	225	388906	4.654	ppbv	98

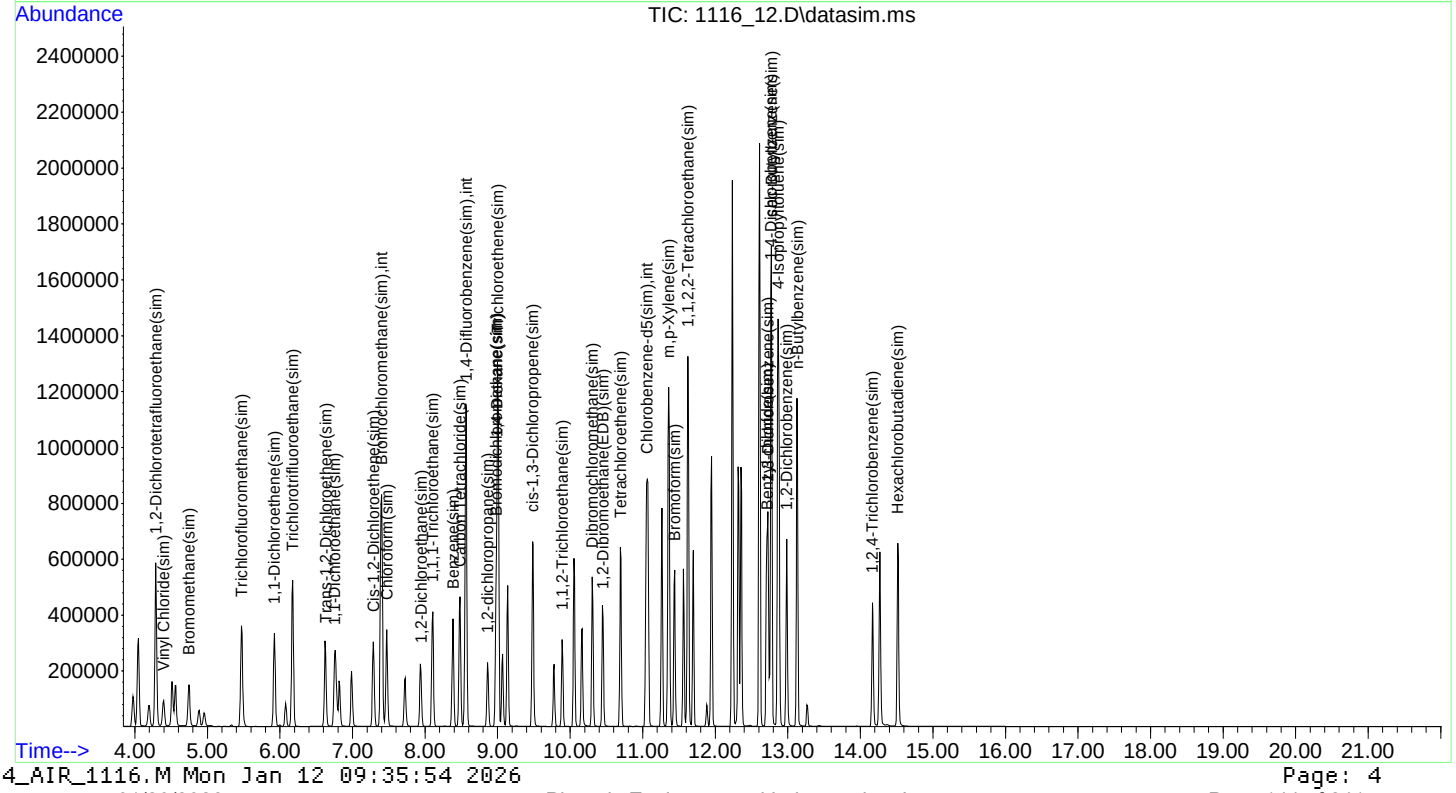
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_12.D
Acq On : 16 Nov 2025 7:27 pm
Operator : Keith
Client ID : ICAL 5
Lab ID : 5.0 ppb ; TO1515
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 17 07:11:29 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_13.D
Acq On : 16 Nov 2025 8:05 pm
Operator : Keith
Client ID : ICAL 25
Lab ID : 25 ppb ; TO1515
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 17 07:11:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	240246	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	860496	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	451390	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	267764	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	860496	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	451390	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	528581	9.004	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.00%			
Target Compounds							Qvalue
2) Propylene	3.979	41	407853	24.341	ppbv		98
3) Dichlorodifluoromethane	4.045	85	1673637	26.051	ppbv#		93
4) Chloromethane	4.194	50	490318	24.860	ppbv		99
5) 1,2-Dichlorotetrafluor...	4.286	85	1737145	25.344	ppbv#		83
6) Vinyl Chloride	4.393	62	596158	24.600	ppbv		98
7) 1,3-Butadiene	4.518	54	411666	24.815	ppbv		93
8) Bromomethane	4.742	94	665469	24.709	ppbv#		97
9) Chloroethane	4.883	64	278295	24.286	ppbv		87
11) Ethanol	4.957	45	150190	21.600	ppbv#		92
12) Acetone	5.325	43	818473	24.522	ppbv		95
13) Trichlorofluoromethane	5.466	101	1730123	25.609	ppbv		96
14) Isopropylalcohol	5.497	45	1027351	25.928	ppbv#		98
15) Acrylonitrile	5.662	53	357117	25.576	ppbv		94
16) 1,1-Dichloroethene	5.920	61	1017630	25.976	ppbv#		85
17) Methylene Chloride	5.997	49	694242	24.115	ppbv#		65
20) Carbon Disulfide	6.230	76	1983350	26.041	ppbv		100
21) Trichlorotrifluoroethane	6.170	101	1523039	25.612	ppbv		87
22) Trans-1,2-Dichloroethene	6.627	61	932236	26.360	ppbv#		81
23) 1,1-Dichloroethane	6.757	63	1202668	25.681	ppbv		97
24) Methyl tert-butyl ethe...	6.773	73	1803761	27.273	ppbv#		78
25) Methyl Ethyl Ketone	6.984	43	1201308	26.492	ppbv#		84
26) Cis-1,2-Dichloroethene	7.284	61	887098	25.739	ppbv#		80
27) Hexane	7.406	57	932446	26.108	ppbv#		88
28) Chloroform	7.470	83	1485711	25.407	ppbv		95
29) Ethyl acetate	7.389	61	221106	25.721	ppbv#		65
30) Tetrahydrofuran	7.714	42	596430	26.415	ppbv#		65
31) 1,2-Dichloroethane	7.941	62	841050	25.701	ppbv		94
32) 1,1,1-Trichloroethane	8.103	97	1447352	25.305	ppbv		93
33) Benzene	8.383	78	2062959	25.741	ppbv#		90
34) Carbon Tetrachloride	8.478	117	1574446	26.416	ppbv		98
35) Cyclohexane	8.556	84	843186	24.422	ppbv#		63
37) 1,2-dichloropropane	8.868	63	761548	25.950	ppbv#		82
38) Bromodichloromethane	8.980	83	1684528	26.664	ppbv		96
39) Trichloroethene	9.006	130	1100515	26.664	ppbv		98
40) 2,2,4-trimethylpentane	9.006	57	3126557	26.485	ppbv		93
41) 1,4-Dioxane	8.980	88	466380	27.660	ppbv#		77
43) Heptane	9.144	43	1075606	26.412	ppbv#		81
44) cis-1,3-Dichloropropene	9.486	75	1518471	26.850	ppbv		95
45) 4-Methyl-2-pentanone(M...	9.486	43	1553775	26.785	ppbv#		86
46) trans-1,3-Dichloropropene	9.774	75	1058737	27.663	ppbv		96
47) 1,1,2-Trichloroethane	9.894	97	936371	26.367	ppbv		99
48) Toluene	10.056	91	2553051	27.049	ppbv		99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_13.D
Acq On : 16 Nov 2025 8:05 pm
Operator : Keith
Client ID : ICAL 25
Lab ID : 25 ppb ; TO1515
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 17 07:11:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.309	129	1882879	27.152	ppbv	97
50) 2-Hexanone(MBK)	10.161	43	1353398	29.194	ppbv#	91
51) 1,2-Dibromoethane(EDB)	10.450	107	1612170	26.725	ppbv	97
52) Tetrachloroethene	10.696	166	1409286	25.967	ppbv	95
54) 1,1,1,2-Tetrachloroethane	11.058	131	1251009	23.878	ppbv	98
55) Chlorobenzene	11.074	112	2172638	24.220	ppbv	96
56) Ethylbenzene	11.263	91	3268358	25.066	ppbv	97
57) m,p-Xylene	11.362	91	4934540	50.620	ppbv	99
58) Bromoform	11.438	173	2024176	25.824	ppbv	99
59) Styrene	11.566	104	2005074	27.212	ppbv#	92
60) 1,1,2,2-Tetrachloroethane	11.620	83	2089601	23.717	ppbv	92
61) o-Xylene	11.627	91	2619859	24.819	ppbv	96
64) Isopropylbenzene	11.946	105	3565591	23.873	ppbv	98
66) 4-Ethyltoluene	12.320	105	3773745	25.963	ppbv	99
67) 1,3,5-Trimethylbenzene	12.359	105	2811789	23.523	ppbv	99
68) 1,2,4-Trimethylbenzene	12.615	105	3043665	25.170	ppbv	99
70) Benzyl chloride	12.709	91	2604485	32.066	ppbv	96
71) 1,3-Dichlorobenzene	12.732	146	2282103	26.544	ppbv	97
72) 1,4-Dichlorobenzene	12.771	146	2184415	27.262	ppbv	97
73) sec-Butylbenzene	12.779	105	4333031	23.641	ppbv	97
74) 4-Isopropyltoluene	12.864	119	4108218	24.649	ppbv	98
75) 1,2-Dichlorobenzene	12.988	146	2113472	25.028	ppbv	97
76) n-Butylbenzene	13.128	91	3545827	26.335	ppbv	93
77) 1,2,4-Trichlorobenzene	14.170	180	1631666	30.483	ppbv	94
78) Naphthalene	14.271	128	3517507	29.235	ppbv#	98
79) Hexachlorobutadiene	14.520	225	1734716	23.515	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.286	85	1733247	25.213	ppbv#	83
82] Vinyl Chloride(sim)	4.396	62	672698	25.801	ppbv	99
83] Bromomethane(sim)	4.742	94	665469	23.213	ppbv#	97
84] Trichlorofluoromethane...	5.469	101	1949862	26.261	ppbv#	98
85] 1,2-Dichloroethane(sim)	7.941	62	841050	24.664	ppbv	94
86] 1,1,1-Trichloroethane(...	8.106	97	1648972	26.563	ppbv#	94
87] Benzene(sim)	8.383	78	2063090	24.637	ppbv#	90
88] Carbon Tetrachloride(sim)	8.481	117	1770321	28.868	ppbv	99
89] 1,1-Dichloroethene(sim)	5.920	61	1017630	25.227	ppbv#	85
90] Trichlorotrifluoroetha...	6.173	101	1689618	26.159	ppbv#	93
91] Trans-1,2-Dichloroethe...	6.627	61	932236	26.691	ppbv#	81
92] 1,1-Dichloroethane(sim)	6.760	63	1350072	26.828	ppbv	97
93] Cis-1,2-Dichloroethene...	7.284	61	887098	25.140	ppbv#	80
94] Chloroform(sim)	7.473	83	1668075	24.367	ppbv#	94
96] 1,2-dichloropropane(sim)	8.862	63	859366	26.256	ppbv#	84
97] Bromodichloromethane(sim)	8.980	83	1684528	26.825	ppbv	98
98] Trichloroethene(sim)	9.000	130	1236998	23.355	ppbv	99
99] 1,4-Dioxane(sim)	8.980	88	466380	29.513	ppbv#	77
100] cis-1,3-Dichloropropen...	9.488	75	1613046	30.376	ppbv	96
101] 1,1,2-Trichloroethane(...	9.894	97	936101	25.928	ppbv	99
102] Dibromochloromethane(sim)	10.305	129	2116352	29.630	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.450	107	1612170	27.855	ppbv	97
104] Tetrachloroethene(sim)	10.699	166	1631299	25.546	ppbv	94
106] Bromoform(sim)	11.441	173	2246670	27.716	ppbv	100
107] m,p-Xylene(sim)	11.362	91	4942343	48.594	ppbv	99
108] 1,1,2,2-Tetrachloroeth...	11.622	83	2268325	23.770	ppbv	98
109] Benzyl chloride(sim)	12.709	91	2604485	32.372	ppbv	96
110] 1,3-Dichlorobenzene(sim)	12.727	146	2708148	28.847	ppbv	99
111] 1,4-Dichlorobenzene(sim)	12.771	146	2184415	26.805	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_13.D
Acq On : 16 Nov 2025 8:05 pm
Operator : Keith
Client ID : ICAL 25
Lab ID : 25 ppb ; TO1515
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 17 07:11:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

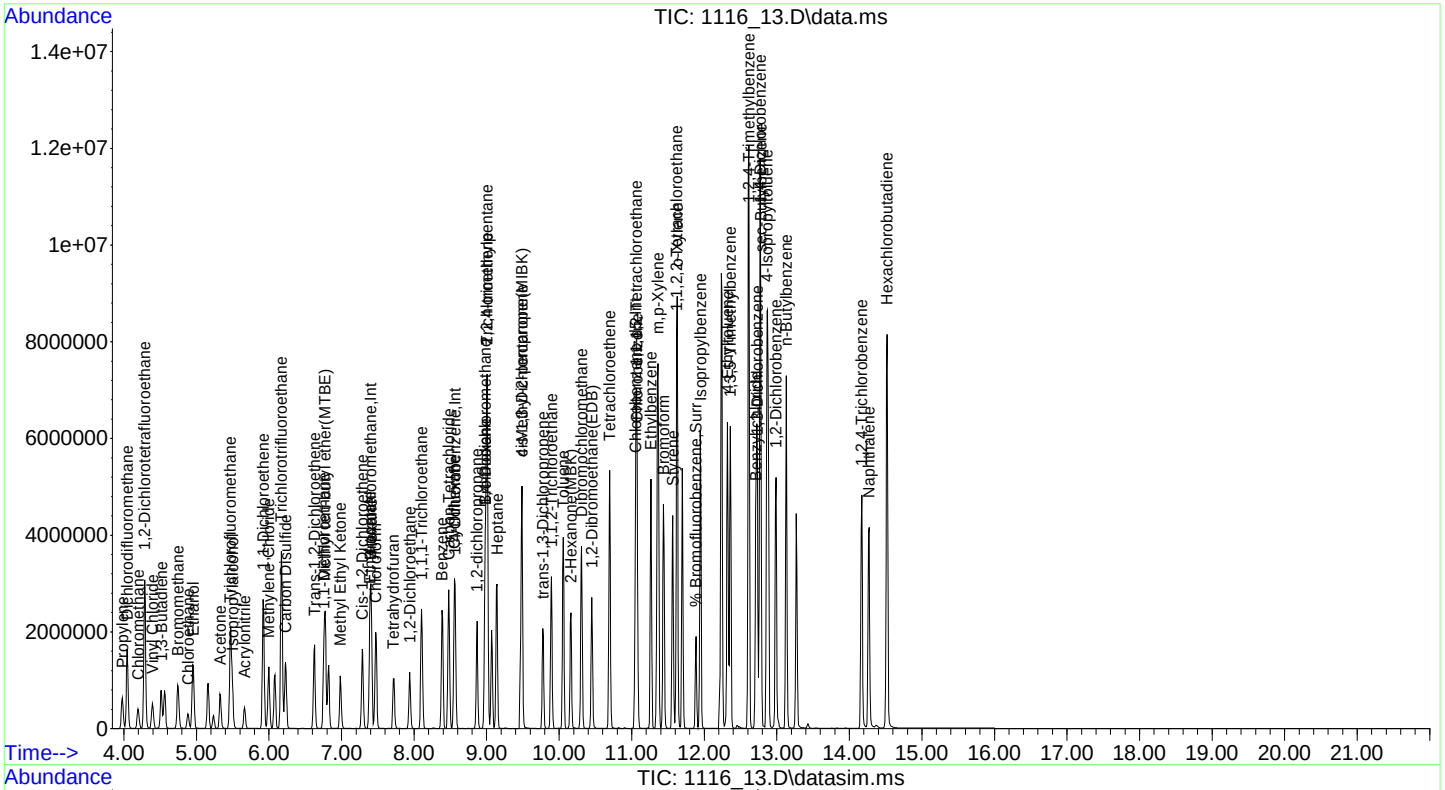
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	4525985	24.873	ppbv	94
113] 4-Isopropyltoluene(sim)	12.864	119	4110017	24.823	ppbv	98
114] 1,2-Dichlorobenzene(sim)	12.984	146	2461011	28.632	ppbv	99
115] n-Butylbenzene(sim)	13.128	91	3545827	23.309	ppbv	93
116] 1,2,4-Trichlorobenzene...	14.165	180	1929975	5.239	ppbv	98
118] Hexachlorobutadiene(sim)	14.515	225	2036326	21.848	ppbv	98

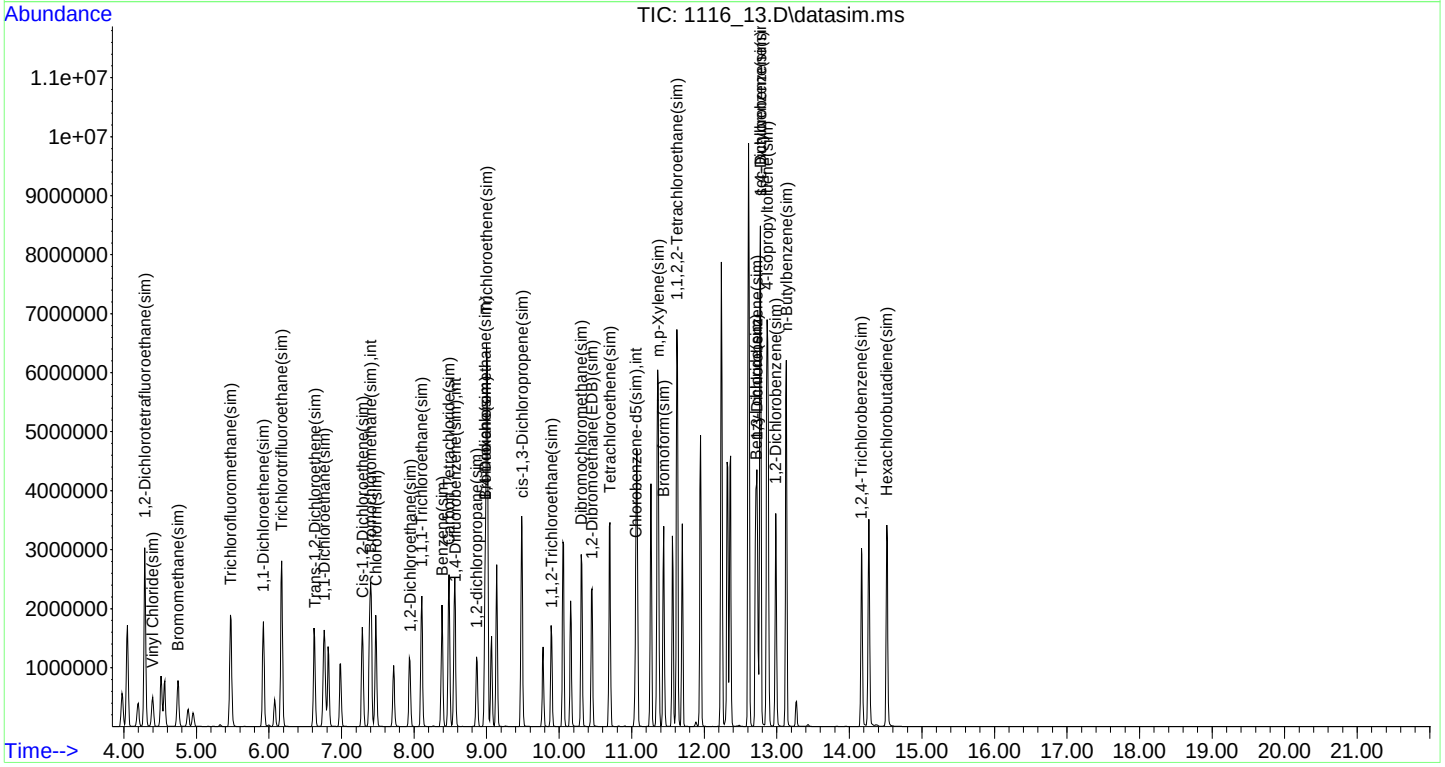
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_13.D
Acq On : 16 Nov 2025 8:05 pm
Operator : Keith
Client ID : ICAL 25
Lab ID : 25 ppb ; TO1515
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 17 07:11:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_14.D
Acq On : 16 Nov 2025 8:44 pm
Operator : Keith
Client ID : ICAL 40
Lab ID : 40 ppb ; TO151
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 17 07:11:31 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	224929	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	800050	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	444500	10.000	ng		0.00
80) Bromochloromethane(sim)	7.401	130	251790	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	800050	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	444498	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	483602	8.366	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.70%				
Target Compounds							Qvalue
2) Propylene	3.979	41	611956	39.008	ppbv		99
3) Dichlorodifluoromethane	4.045	85	2467682	41.026	ppbv#		93
4) Chloromethane	4.194	50	734164	39.758	ppbv		100
5) 1,2-Dichlorotetrafluor...	4.286	85	2610770	40.684	ppbv#		84
6) Vinyl Chloride	4.394	62	897449	39.555	ppbv		99
7) 1,3-Butadiene	4.518	54	617503	39.758	ppbv		92
8) Bromomethane	4.742	94	1011468	40.113	ppbv#		96
9) Chloroethane	4.883	64	422093	39.344	ppbv		87
11) Ethanol	4.957	45	198625	30.510	ppbv		93
12) Acetone	5.325	43	1234821	39.515	ppbv		96
13) Trichlorofluoromethane	5.466	101	2597457	41.066	ppbv		96
14) Isopropylalcohol	5.497	45	1448478	39.046	ppbv#		98
15) Acrylonitrile	5.662	53	527690	40.366	ppbv		96
16) 1,1-Dichloroethene	5.920	61	1534229	41.830	ppbv#		85
17) Methylene Chloride	5.997	49	1050093	38.959	ppbv#		64
20) Carbon Disulfide	6.230	76	2986724	41.886	ppbv		99
21) Trichlorotrifluoroethane	6.170	101	2300717	41.324	ppbv		88
22) Trans-1,2-Dichloroethene	6.627	61	1425164	43.042	ppbv#		81
23) 1,1-Dichloroethane	6.757	63	1793899	40.915	ppbv		97
24) Methyl tert-butyl ethe...	6.773	73	2713425	43.821	ppbv#		78
25) Methyl Ethyl Ketone	6.984	43	1811339	42.664	ppbv#		84
26) Cis-1,2-Dichloroethene	7.284	61	1381448	42.812	ppbv#		81
27) Hexane	7.406	57	1393125	41.663	ppbv#		89
28) Chloroform	7.471	83	2275577	41.564	ppbv		94
29) Ethyl acetate	7.389	61	335125	41.639	ppbv#		62
30) Tetrahydrofuran	7.714	42	915726	43.317	ppbv#		65
31) 1,2-Dichloroethane	7.941	62	1285855	41.970	ppbv		94
32) 1,1,1-Trichloroethane	8.103	97	2254910	42.109	ppbv		93
33) Benzene	8.383	78	3075747	40.992	ppbv#		91
34) Carbon Tetrachloride	8.478	117	2405759	43.112	ppbv		98
35) Cyclohexane	8.556	84	1277647	39.526	ppbv#		62
37) 1,2-dichloropropane	8.868	63	1151873	42.215	ppbv#		81
38) Bromodichloromethane	8.980	83	2472236	42.088	ppbv		97
39) Trichloroethene	9.006	130	1621615	42.259	ppbv		98
40) 2,2,4-trimethylpentane	9.006	57	4314262	39.306	ppbv		92
41) 1,4-Dioxane	8.980	88	644081	41.085	ppbv#		76
43) Heptane	9.144	43	1615200	42.658	ppbv#		80
44) cis-1,3-Dichloropropene	9.486	75	2281994	43.399	ppbv		96
45) 4-Methyl-2-pentanone(M...	9.486	43	2270259	42.093	ppbv#		83
46) trans-1,3-Dichloropropene	9.774	75	1638832	46.055	ppbv		95
47) 1,1,2-Trichloroethane	9.894	97	1421733	43.059	ppbv		99
48) Toluene	10.056	91	3763247	42.883	ppbv		97

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_14.D
Acq On : 16 Nov 2025 8:44 pm
Operator : Keith
Client ID : ICAL 40
Lab ID : 40 ppb ; TO151
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 17 07:11:31 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	2854028	44.266	ppbv	96
50)	2-Hexanone(MBK)	10.161	43	2058198	47.751	ppbv#	91
51)	1,2-Dibromoethane(EDB)	10.450	107	2439641	43.498	ppbv	96
52)	Tetrachloroethene	10.696	166	2169051	42.986	ppbv	95
54)	1,1,1,2-Tetrachloroethane	11.059	131	1864865	36.147	ppbv	97
55)	Chlorobenzene	11.074	112	3162027	35.796	ppbv	97
56)	Ethylbenzene	11.263	91	4556882	35.490	ppbv	99
57)	m,p-Xylene	11.362	91	6645288	69.225	ppbv	95
58)	Bromoform	11.438	173	3071159	39.789	ppbv	98
59)	Styrene	11.567	104	2969144	40.920	ppbv#	92
60)	1,1,2,2-Tetrachloroethane	11.620	83	3006469	34.653	ppbv	93
61)	o-Xylene	11.627	91	3714491	35.734	ppbv	98
64)	Isopropylbenzene	11.946	105	4918237	33.441	ppbv	94
66)	4-Ethyltoluene	12.320	105	5133080	35.863	ppbv	93
67)	1,3,5-Trimethylbenzene	12.359	105	4008069	34.051	ppbv	99
68)	1,2,4-Trimethylbenzene	12.615	105	4125473	34.645	ppbv	97
70)	Benzyl chloride	12.709	91	3739745	46.757	ppbv	98
71)	1,3-Dichlorobenzene	12.732	146	3303815	39.024	ppbv	99
72)	1,4-Dichlorobenzene	12.771	146	3168444	40.156	ppbv	98
73)	sec-Butylbenzene	12.779	105	5476175	30.341	ppbv#	92
74)	4-Isopropyltoluene	12.864	119	5446013	33.182	ppbv	91
75)	1,2-Dichlorobenzene	12.989	146	3126600	37.599	ppbv	96
76)	n-Butylbenzene	13.128	91	4776583	36.026	ppbv#	88
77)	1,2,4-Trichlorobenzene	14.170	180	2596619	49.262	ppbv	95
78)	Naphthalene	14.271	128	5037084	42.513	ppbv#	97
79)	Hexachlorobutadiene	14.520	225	2639597	36.336	ppbv	99
81]	1,2-Dichlorotetrafluor...	4.286	85	2604982	40.298	ppbv#	84
82]	Vinyl Chloride(sim)	4.396	62	1016276	41.451	ppbv	99
83]	Bromomethane(sim)	4.742	94	1011468	37.521	ppbv#	96
84]	Trichlorofluoromethane...	5.469	101	2904348	41.597	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.941	62	1285855	40.100	ppbv	94
86]	1,1,1-Trichloroethane(...	8.106	97	2537727	43.473	ppbv#	94
87]	Benzene(sim)	8.383	78	3076421	39.069	ppbv#	91
88]	Carbon Tetrachloride(sim)	8.481	117	2674415	46.377	ppbv	99
89]	1,1-Dichloroethene(sim)	5.920	61	1534229	40.446	ppbv#	85
90]	Trichlorotrifluoroetha...	6.173	101	2544550	41.895	ppbv#	94
91]	Trans-1,2-Dichloroethe...	6.627	61	1425164	43.393	ppbv#	81
92]	1,1-Dichloroethane(sim)	6.760	63	2009279	42.460	ppbv	97
93]	Cis-1,2-Dichloroethene...	7.284	61	1381448	41.634	ppbv#	81
94]	Chloroform(sim)	7.473	83	2530511	39.311	ppbv#	94
96]	1,2-dichloropropane(sim)	8.862	63	1290370	42.403	ppbv#	83
97]	Bromodichloromethane(sim)	8.980	83	2472236	42.343	ppbv	98
98]	Trichloroethene(sim)	9.009	130	1811196	36.780	ppbv	100
99]	1,4-Dioxane(sim)	8.980	88	644081	43.838	ppbv#	76
100]	cis-1,3-Dichloropropen...	9.489	75	2429658	49.210	ppbv	96
101]	1,1,2-Trichloroethane(...	9.894	97	1421450	42.346	ppbv	99
102]	Dibromochloromethane(sim)	10.312	129	3165720	47.671	ppbv	98
103]	1,2-Dibromoethane(EDB)...	10.450	107	2439641	45.337	ppbv	96
104]	Tetrachloroethene(sim)	10.699	166	2465425	41.525	ppbv	94
106]	Bromoform(sim)	11.441	173	3356080	42.045	ppbv	98
107]	m,p-Xylene(sim)	11.362	91	6652524	66.423	ppbv	95
108]	1,1,2,2-Tetrachloroeth...	11.623	83	3217027	34.234	ppbv	97
109]	Benzyl chloride(sim)	12.709	91	3739745	47.203	ppbv	98
110]	1,3-Dichlorobenzene(sim)	12.727	146	3768170	40.761	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.771	146	3168444	39.482	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_14.D
Acq On : 16 Nov 2025 8:44 pm
Operator : Keith
Client ID : ICAL 40
Lab ID : 40 ppb ; TO151
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 17 07:11:31 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration

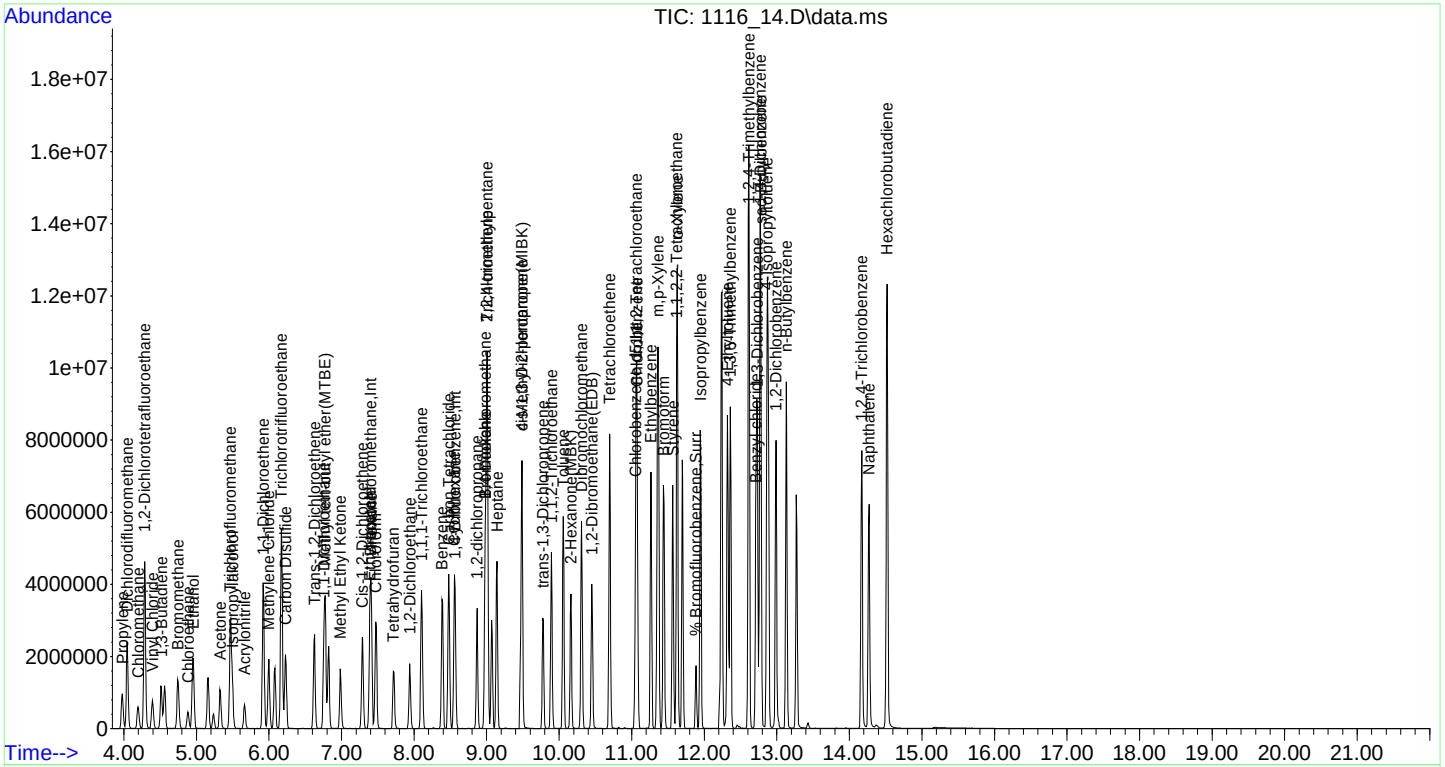
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	5520993	30.811	ppbv	88
113] 4-Isopropyltoluene(sim)	12.864	119	5445357	33.398	ppbv	91
114] 1,2-Dichlorobenzene(sim)	12.991	146	3518276	41.567	ppbv	97
115] n-Butylbenzene(sim)	13.128	91	4776583	31.887	ppbv	88
116] 1,2,4-Trichlorobenzene...	14.173	180	3008451	6.621	ppbv	98
118] Hexachlorobutadiene(sim)	14.523	225	3041006	33.133	ppbv	99

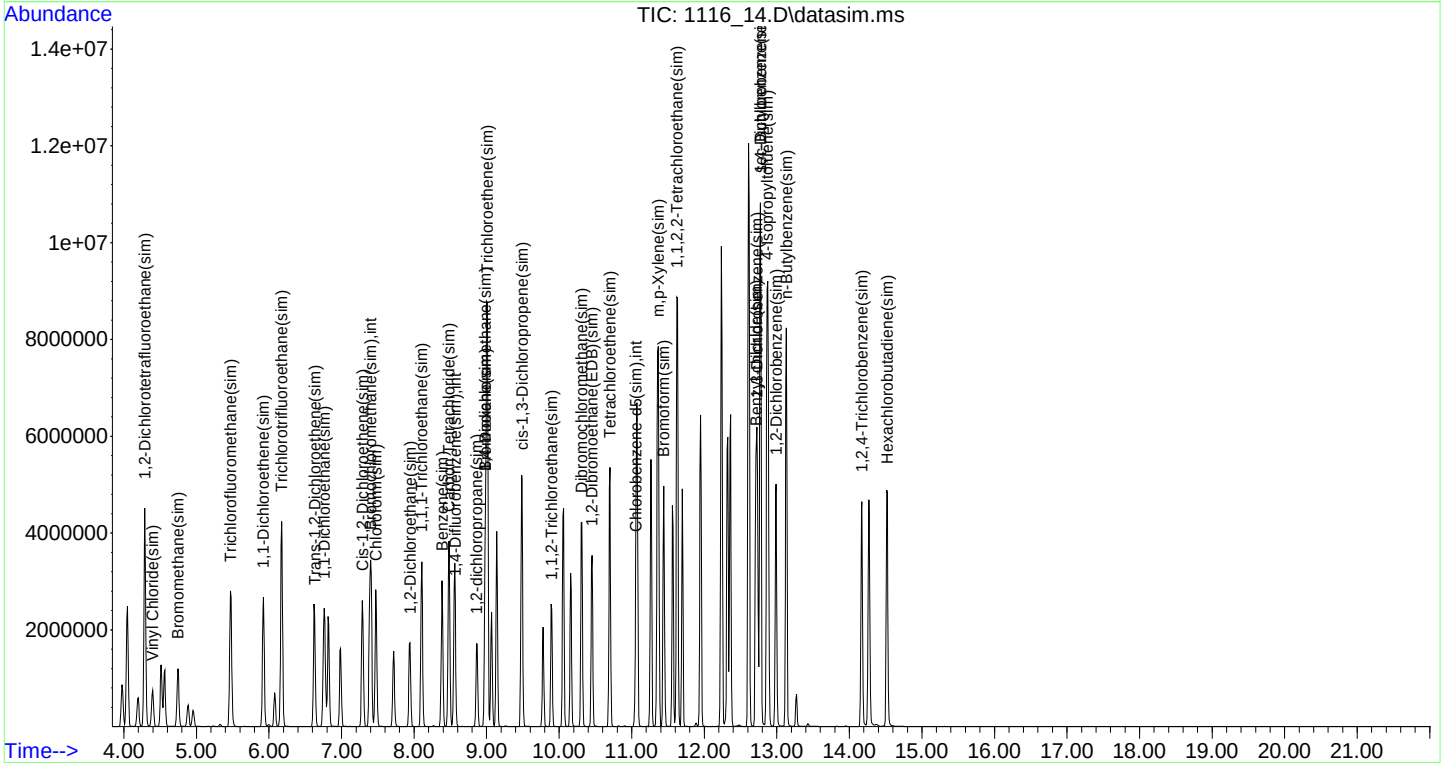
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_14.D
Acq On : 16 Nov 2025 8:44 pm
Operator : Keith
Client ID : ICAL 40
Lab ID : 40 ppb ; TO151
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 17 07:11:31 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Nov 12 16:13:42 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_15.D
Acq On : 16 Nov 2025 9:21 pm
Operator : Keith
Client ID : ICAL 1
Lab ID : 1ppb ; TO1509 ; AIR36
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 17 10:18:05 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.397	130	202081	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	723063	10.000	ng		0.00
53) Chlorobenzene-d5	11.043	82	337047	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	223190	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	723063	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.043	82	337047	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	435825	10.369	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.70%				
Target Compounds							Qvalue
2) Propylene	3.979	41	13303	0.944	ppbv		96
3) Dichlorodifluoromethane	4.045	85	51161	0.947	ppbv#		96
4) Chloromethane	4.194	50	16649	1.004	ppbv		99
5) 1,2-Dichlorotetrafluor...	4.286	85	55351	0.960	ppbv		85
6) Vinyl Chloride	4.393	62	19592	0.961	ppbv		97
7) 1,3-Butadiene	4.518	54	14069	1.008	ppbv		90
8) Bromomethane	4.742	94	21677	0.957	ppbv		95
9) Chloroethane	4.883	64	9539	0.990	ppbv		87
11) Ethanol	4.957	45	5942	1.016	ppbv#		83
12) Acetone	5.337	43	27477	0.979	ppbv		95
13) Trichlorofluoromethane	5.466	101	54769	0.964	ppbv		98
14) Isopropylalcohol	5.509	45	33373	1.001	ppbv#		94
15) Acrylonitrile	5.668	53	11666	0.993	ppbv		96
16) 1,1-Dichloroethene	5.920	61	32085	0.974	ppbv#		83
17) Methylene Chloride	5.997	49	23157	0.956	ppbv#		63
20) Carbon Disulfide	6.229	76	61355	0.958	ppbv		100
21) Trichlorotrifluoroethane	6.170	101	48114	0.962	ppbv		90
22) Trans-1,2-Dichloroethene	6.627	61	28531	0.959	ppbv#		78
23) 1,1-Dichloroethane	6.757	63	38320	0.973	ppbv		97
24) Methyl tert-butyl ethe...	6.789	73	54507	0.980	ppbv#		80
25) Methyl Ethyl Ketone	6.992	43	37547	0.984	ppbv#		85
26) Cis-1,2-Dichloroethene	7.284	61	28155	0.971	ppbv#		81
27) Hexane	7.406	57	29542	0.983	ppbv#		91
28) Chloroform	7.470	83	47763	0.971	ppbv		95
29) Ethyl acetate	7.397	61	6766	0.936	ppbv#		57
30) Tetrahydrofuran	7.738	42	18920	0.996	ppbv#		72
31) 1,2-Dichloroethane	7.941	62	27389	0.995	ppbv		94
32) 1,1,1-Trichloroethane	8.103	97	46549	0.968	ppbv		94
33) Benzene	8.383	78	65364	0.970	ppbv#		91
34) Carbon Tetrachloride	8.478	117	47551	0.948	ppbv		98
35) Cyclohexane	8.556	84	28279	0.974	ppbv#		68
37) 1,2-dichloropropane	8.867	63	23400	0.949	ppbv#		81
38) Bromodichloromethane	8.980	83	50804	0.957	ppbv		97
39) Trichloroethene	8.997	130	33466	0.965	ppbv		99
40) 2,2,4-trimethylpentane	9.006	57	99254	1.001	ppbv		94
41) 1,4-Dioxane	8.997	88	15736	1.111	ppbv#		75
43) Heptane	9.136	43	32346	0.945	ppbv#		79
44) cis-1,3-Dichloropropene	9.485	75	45155	0.950	ppbv		99
45) 4-Methyl-2-pentanone(M...	9.493	43	50963	1.046	ppbv#		86
46) trans-1,3-Dichloropropene	9.774	75	31600	0.983	ppbv		96
47) 1,1,2-Trichloroethane	9.894	97	28439	0.953	ppbv		100
48) Toluene	10.056	91	77505	0.977	ppbv		96

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_15.D
Acq On : 16 Nov 2025 9:21 pm
Operator : Keith
Client ID : ICAL 1
Lab ID : 1ppb ; TO1509 ; AIR36
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 17 10:18:05 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.309	129	56456	0.969	ppbv	99
50)	2-Hexanone(MBK)	10.168	43	35622	0.840	ppbv#	93
51)	1,2-Dibromoethane(EDB)	10.450	107	48895	0.965	ppbv	100
52)	Tetrachloroethene	10.696	166	44518	0.976	ppbv	93
54)	1,1,1,2-Tetrachloroethane	11.058	131	40054	1.024	ppbv	99
55)	Chlorobenzene	11.074	112	68344	1.020	ppbv	95
56)	Ethylbenzene	11.263	91	100351	1.031	ppbv	97
57)	m,p-Xylene	11.362	91	157168	2.159	ppbv	98
58)	Bromoform	11.438	173	59506	1.017	ppbv	100
59)	Styrene	11.566	104	55817	1.015	ppbv#	93
60)	1,1,2,2-Tetrachloroethane	11.619	83	70686	1.074	ppbv#	90
61)	o-Xylene	11.627	91	82990	1.053	ppbv	96
64)	Isopropylbenzene	11.946	105	113682	1.019	ppbv	98
66)	4-Ethyltoluene	12.320	105	110806	1.021	ppbv	99
67)	1,3,5-Trimethylbenzene	12.359	105	97852	1.096	ppbv	95
68)	1,2,4-Trimethylbenzene	12.607	105	95908	1.062	ppbv	99
70)	Benzyl chloride	12.708	91	64669	1.066	ppbv	97
71)	1,3-Dichlorobenzene	12.724	146	68844	1.072	ppbv	99
72)	1,4-Dichlorobenzene	12.763	146	63599	1.063	ppbv	99
73)	sec-Butylbenzene	12.778	105	148479	1.085	ppbv	99
74)	4-Isopropyltoluene	12.864	119	135243	1.087	ppbv	98
75)	1,2-Dichlorobenzene	12.988	146	70378	1.116	ppbv	97
76)	n-Butylbenzene	13.128	91	109396	1.088	ppbv	94
77)	1,2,4-Trichlorobenzene	14.170	180	53684	1.226	ppbv	97
78)	Naphthalene	14.271	128	122529	1.105	ppbv#	99
79)	Hexachlorobutadiene	14.520	225	61067	1.109	ppbv	98
81]	1,2-Dichlorotetrafluor...	4.286	85	55351	0.966	ppbv	85
82]	Vinyl Chloride(sim)	4.396	62	20940	0.964	ppbv	96
83]	Bromomethane(sim)	4.742	94	21677	0.907	ppbv#	95
84]	Trichlorofluoromethane...	5.469	101	60989	0.985	ppbv#	98
85]	1,2-Dichloroethane(sim)	7.941	62	27389	0.964	ppbv	94
86]	1,1,1-Trichloroethane(...	8.106	97	51864	1.002	ppbv#	94
87]	Benzene(sim)	8.383	78	65364	0.936	ppbv#	91
88]	Carbon Tetrachloride(sim)	8.481	117	53633	1.049	ppbv	99
89]	1,1-Dichloroethene(sim)	5.920	61	32085	0.954	ppbv#	83
90]	Trichlorotrifluoroetha...	6.173	101	53428	0.992	ppbv#	94
91]	Trans-1,2-Dichloroethe...	6.627	61	28531	0.980	ppbv#	78
92]	1,1-Dichloroethane(sim)	6.752	63	41234	0.983	ppbv	95
93]	Cis-1,2-Dichloroethene...	7.284	61	28155	0.957	ppbv#	81
94]	Chloroform(sim)	7.473	83	52509	0.920	ppbv#	95
96]	1,2-dichloropropane(sim)	8.862	63	26125	0.950	ppbv#	85
97]	Bromodichloromethane(sim)	8.980	83	50804	0.963	ppbv	99
98]	Trichloroethene(sim)	9.000	130	37695	0.847	ppbv	99
99]	1,4-Dioxane(sim)	8.997	88	15736	1.185	ppbv#	75
100]	cis-1,3-Dichloropropen...	9.488	75	46085	1.033	ppbv	98
101]	1,1,2-Trichloroethane(...	9.894	97	28439	0.937	ppbv	100
102]	Dibromochloromethane(sim)	10.305	129	61141	1.019	ppbv	98
103]	1,2-Dibromoethane(EDB)...	10.450	107	48895	1.005	ppbv	100
104]	Tetrachloroethene(sim)	10.699	166	49187	0.917	ppbv	95
106]	Bromoform(sim)	11.440	173	65696	1.085	ppbv	100
107]	m,p-Xylene(sim)	11.362	91	159123	2.095	ppbv	97
108]	1,1,2,2-Tetrachloroeth...	11.622	83	76360	1.072	ppbv	99
109]	Benzyl chloride(sim)	12.708	91	64748	1.113	ppbv	97
110]	1,3-Dichlorobenzene(sim)	12.727	146	82508	1.056	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.763	146	63599	1.057	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_15.D
Acq On : 16 Nov 2025 9:21 pm
Operator : Keith
Client ID : ICAL 1
Lab ID : 1ppb ; TO1509 ; AIR36
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 17 10:18:05 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

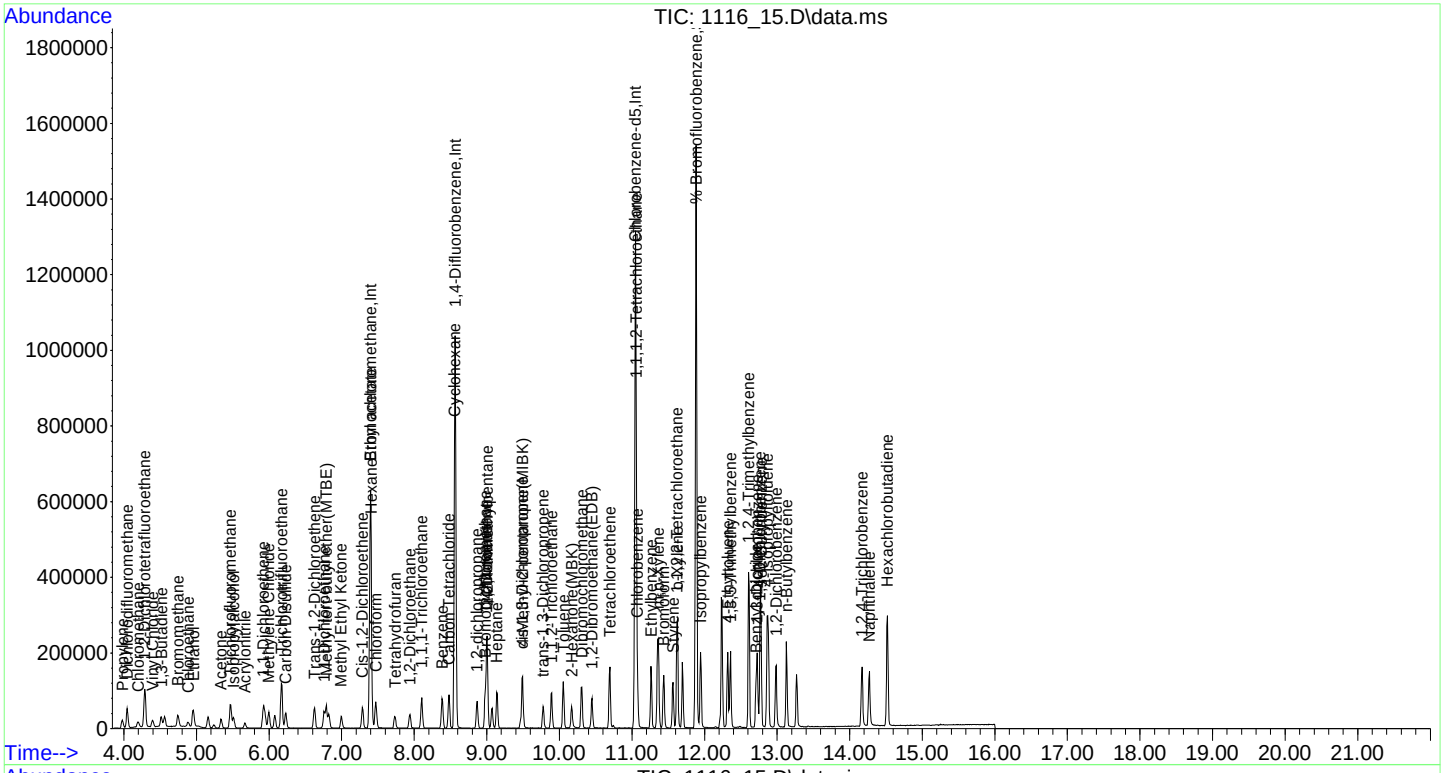
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	164657	1.212	ppbv	99
113] 4-Isopropyltoluene(sim)	12.864	119	135243	1.094	ppbv	98
114] 1,2-Dichlorobenzene(sim)	12.984	146	80895	1.260	ppbv	99
115] n-Butylbenzene(sim)	13.128	91	109396	1.065	ppbv	94
116] 1,2,4-Trichlorobenzene...	14.173	180	64112	1.005	ppbv	98
118] Hexachlorobutadiene(sim)	14.515	225	70900	1.019	ppbv	98

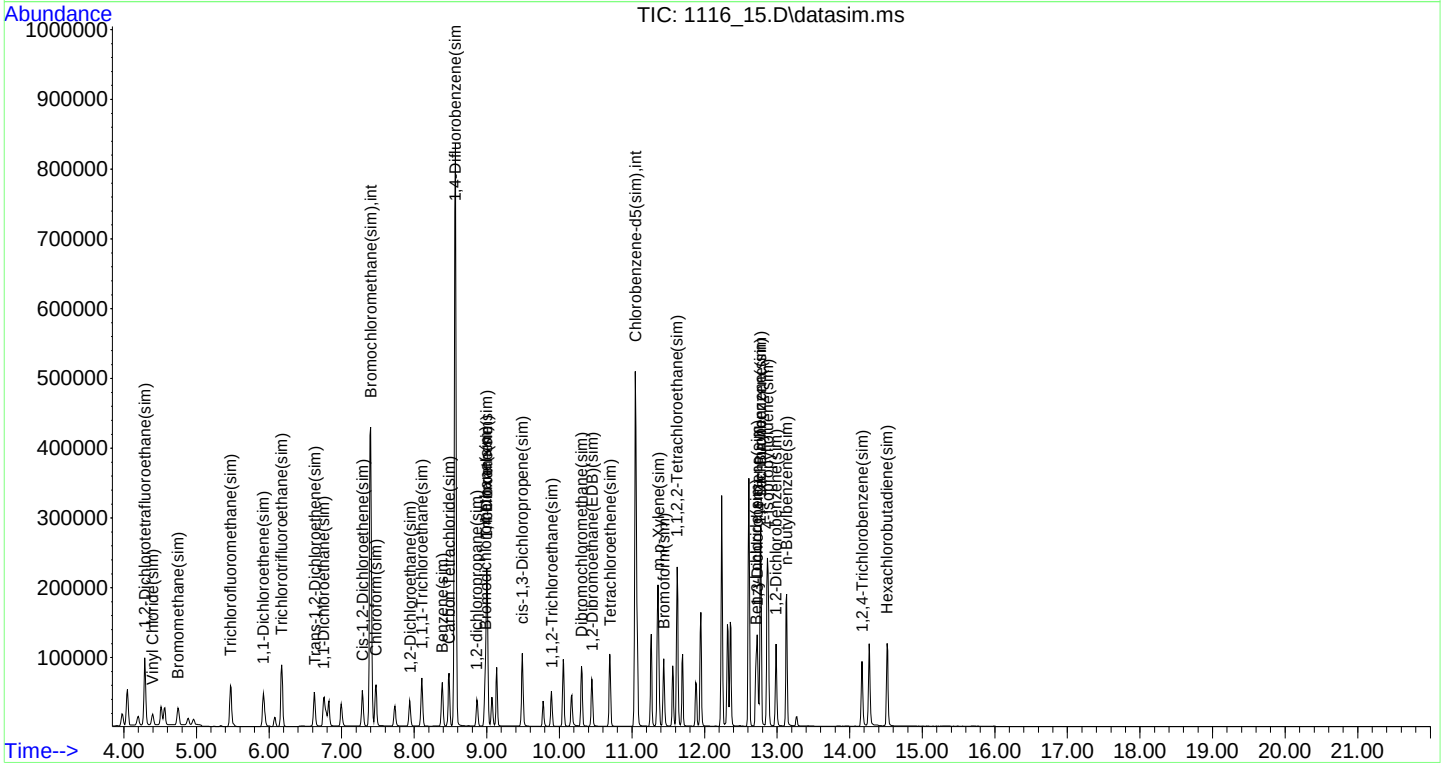
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

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Data File : 1116_15.D
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QLast Update : Mon Nov 17 10:17:34 2025
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Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_16.D
Acq On : 16 Nov 2025 9:58 pm
Operator : Keith
Client ID : ICAL 10
Lab ID : 10ppb ; TO1509 ; AIR36
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 17 10:18:25 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.397	130	210449	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	753804	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	365314	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	234012	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	753804	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	365598	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	466378	10.237	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.40%				
Target Compounds							Qvalue
2) Propylene	3.979	41	134572	9.168	ppbv		99
3) Dichlorodifluoromethane	4.045	85	552745	9.822	ppbv#		94
4) Chloromethane	4.194	50	164015	9.493	ppbv		100
5) 1,2-Dichlorotetrafluor...	4.286	85	577123	9.612	ppbv		84
6) Vinyl Chloride	4.393	62	199493	9.398	ppbv		97
7) 1,3-Butadiene	4.518	54	136612	9.401	ppbv		92
8) Bromomethane	4.742	94	221805	9.402	ppbv#		98
9) Chloroethane	4.883	64	92217	9.187	ppbv		86
11) Ethanol	4.957	45	49327	8.098	ppbv#		92
12) Acetone	5.331	43	272287	9.313	ppbv		94
13) Trichlorofluoromethane	5.472	101	573918	9.698	ppbv		97
14) Isopropylalcohol	5.497	45	348128	10.030	ppbv#		98
15) Acrylonitrile	5.662	53	115654	9.456	ppbv		97
16) 1,1-Dichloroethene	5.920	61	338301	9.858	ppbv#		85
17) Methylene Chloride	5.997	49	229755	9.110	ppbv#		64
20) Carbon Disulfide	6.229	76	650984	9.757	ppbv		99
21) Trichlorotrifluoroethane	6.170	101	501837	9.634	ppbv		89
22) Trans-1,2-Dichloroethene	6.627	61	304886	9.842	ppbv#		80
23) 1,1-Dichloroethane	6.757	63	396526	9.666	ppbv		97
24) Methyl tert-butyl ethe...	6.781	73	588378	10.156	ppbv#		78
25) Methyl Ethyl Ketone	6.984	43	395203	9.949	ppbv#		83
26) Cis-1,2-Dichloroethene	7.284	61	297282	9.847	ppbv#		81
27) Hexane	7.406	57	311359	9.952	ppbv#		89
28) Chloroform	7.470	83	493727	9.638	ppbv		95
29) Ethyl acetate	7.389	61	76383	10.144	ppbv#		65
30) Tetrahydrofuran	7.722	42	198521	10.037	ppbv#		64
31) 1,2-Dichloroethane	7.941	62	279969	9.767	ppbv		94
32) 1,1,1-Trichloroethane	8.103	97	487910	9.738	ppbv		94
33) Benzene	8.383	78	688163	9.802	ppbv#		92
34) Carbon Tetrachloride	8.478	117	521533	9.989	ppbv		99
35) Cyclohexane	8.556	84	284633	9.411	ppbv#		63
37) 1,2-dichloropropane	8.868	63	253019	9.842	ppbv#		82
38) Bromodichloromethane	8.980	83	550622	9.949	ppbv		97
39) Trichloroethene	8.997	130	356018	9.847	ppbv		99
40) 2,2,4-trimethylpentane	9.006	57	1056673	10.218	ppbv		94
41) 1,4-Dioxane	8.980	88	159649	10.809	ppbv#		77
43) Heptane	9.136	43	359779	10.085	ppbv#		80
44) cis-1,3-Dichloropropene	9.486	75	494718	9.986	ppbv		99
45) 4-Methyl-2-pentanone(M...	9.486	43	537786	10.583	ppbv#		87
46) trans-1,3-Dichloropropene	9.774	75	345674	10.310	ppbv		96
47) 1,1,2-Trichloroethane	9.894	97	307869	9.896	ppbv		99
48) Toluene	10.056	91	847111	10.245	ppbv		97

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_16.D
Acq On : 16 Nov 2025 9:58 pm
Operator : Keith
Client ID : ICAL 10
Lab ID : 10ppb ; TO1509 ; AIR36
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 17 10:18:25 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.309	129	612502	10.083	ppbv	98
50) 2-Hexanone(MBK)	10.161	43	447025	9.884	ppbv#	92
51) 1,2-Dibromoethane(EDB)	10.450	107	532331	10.074	ppbv	98
52) Tetrachloroethene	10.696	166	463484	9.749	ppbv	94
54) 1,1,1,2-Tetrachloroethane	11.058	131	410535	9.682	ppbv	99
55) Chlorobenzene	11.074	112	705840	9.723	ppbv	98
56) Ethylbenzene	11.263	91	1117475	10.590	ppbv	96
57) m,p-Xylene	11.362	91	1768097	22.411	ppbv	96
58) Bromoform	11.438	173	663332	10.457	ppbv	99
59) Styrene	11.566	104	665235	11.155	ppbv#	93
60) 1,1,2,2-Tetrachloroethane	11.620	83	720967	10.111	ppbv	92
61) o-Xylene	11.627	91	892220	10.444	ppbv	96
64) Isopropylbenzene	11.946	105	1275583	10.553	ppbv	99
66) 4-Ethyltoluene	12.320	105	1341820	11.407	ppbv	97
67) 1,3,5-Trimethylbenzene	12.359	105	979803	10.128	ppbv	98
68) 1,2,4-Trimethylbenzene	12.607	105	1082639	11.062	ppbv	99
70) Benzyl chloride	12.709	91	846115	12.872	ppbv	96
71) 1,3-Dichlorobenzene	12.724	146	765113	10.996	ppbv	97
72) 1,4-Dichlorobenzene	12.763	146	724983	11.180	ppbv	98
73) sec-Butylbenzene	12.771	105	1644851	11.089	ppbv	99
74) 4-Isopropyltoluene	12.864	119	1470110	10.899	ppbv	100
75) 1,2-Dichlorobenzene	12.988	146	714278	10.451	ppbv	97
76) n-Butylbenzene	13.128	91	1251577	11.486	ppbv	94
77) 1,2,4-Trichlorobenzene	14.170	180	469775	9.625	ppbv	95
78) Naphthalene	14.271	128	1118352	9.584	ppbv#	99
79) Hexachlorobutadiene	14.520	225	583731	9.777	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.286	85	575908	9.586	ppbv	84
82] Vinyl Chloride(sim)	4.396	62	220858	9.693	ppbv	98
83] Bromomethane(sim)	4.742	94	221805	8.853	ppbv#	97
84] Trichlorofluoromethane...	5.469	101	649941	10.016	ppbv#	98
85] 1,2-Dichloroethane(sim)	7.941	62	279969	9.394	ppbv	94
86] 1,1,1-Trichloroethane(...	8.106	97	557843	10.282	ppbv#	94
87] Benzene(sim)	8.383	78	688163	9.403	ppbv#	92
88] Carbon Tetrachloride(sim)	8.481	117	594500	11.092	ppbv	99
89] 1,1-Dichloroethene(sim)	5.920	61	338301	9.596	ppbv#	85
90] Trichlorotrifluoroetha...	6.173	101	566125	10.029	ppbv#	93
91] Trans-1,2-Dichloroethe...	6.627	61	304886	9.988	ppbv#	80
92] 1,1-Dichloroethane(sim)	6.752	63	444759	10.113	ppbv	97
93] Cis-1,2-Dichloroethene...	7.284	61	297282	9.640	ppbv#	81
94] Chloroform(sim)	7.473	83	554455	9.268	ppbv#	94
96] 1,2-dichloropropane(sim)	8.862	63	282477	9.852	ppbv#	84
97] Bromodichloromethane(sim)	8.980	83	550622	10.009	ppbv	99
98] Trichloroethene(sim)	9.000	130	403369	8.694	ppbv	99
99] 1,4-Dioxane(sim)	8.980	88	159649	11.533	ppbv#	77
100] cis-1,3-Dichloropropen...	9.488	75	529542	11.383	ppbv	96
101] 1,1,2-Trichloroethane(...	9.894	97	307869	9.734	ppbv	99
102] Dibromochloromethane(sim)	10.305	129	696222	11.127	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.450	107	532331	10.499	ppbv	98
104] Tetrachloroethene(sim)	10.699	166	539817	9.650	ppbv	94
106] Bromoform(sim)	11.440	173	738462	11.248	ppbv	99
107] m,p-Xylene(sim)	11.362	91	1773355	21.528	ppbv	96
108] 1,1,2,2-Tetrachloroeth...	11.622	83	795962	10.298	ppbv	99
109] Benzyl chloride(sim)	12.709	91	846115	10.358	ppbv	96
110] 1,3-Dichlorobenzene(sim)	12.727	146	932732	8.936	ppbv	97
111] 1,4-Dichlorobenzene(sim)	12.763	146	725237	9.177	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_16.D
Acq On : 16 Nov 2025 9:58 pm
Operator : Keith
Client ID : ICAL 10
Lab ID : 10ppb ; TO1509 ; AIR36
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 17 10:18:25 2025
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Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
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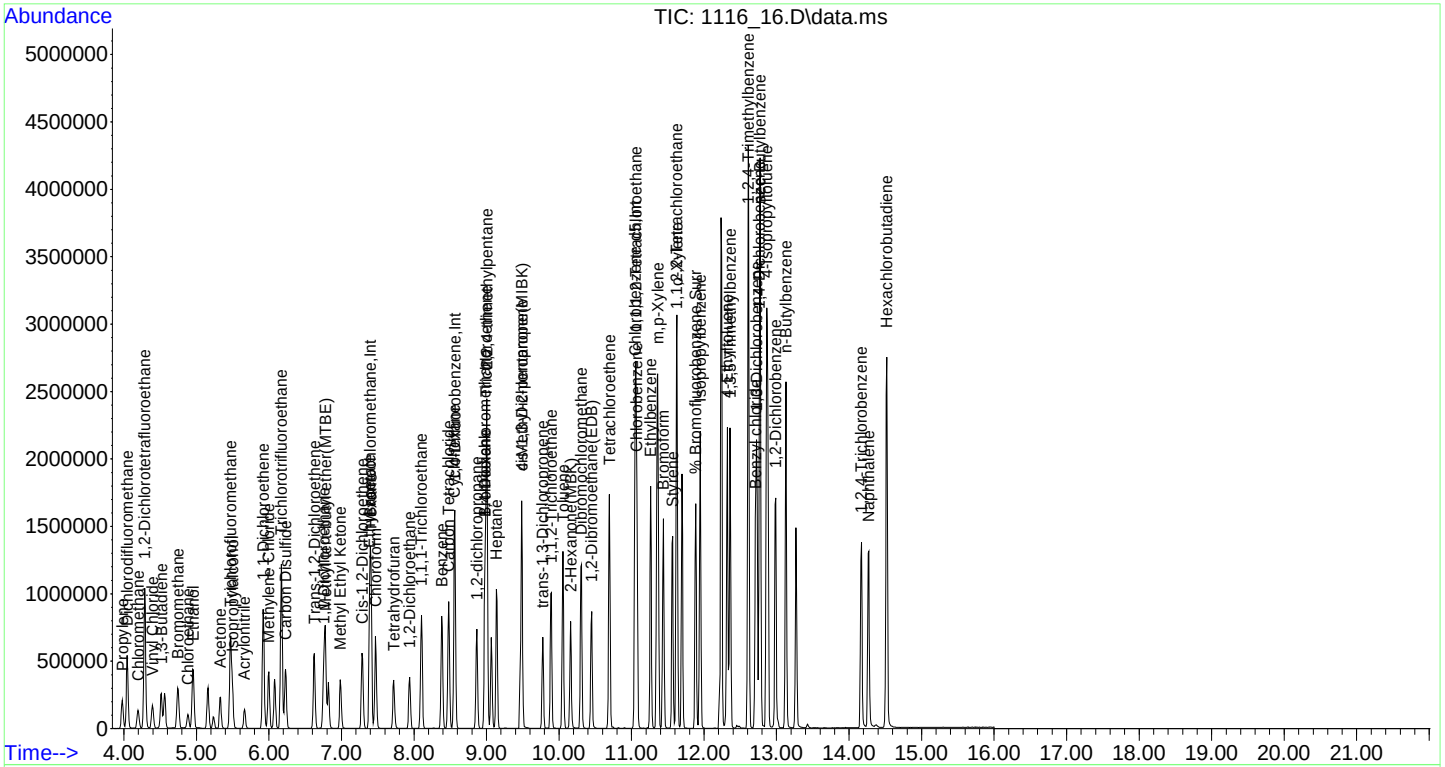
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	1831217	12.425	ppbv	100
113] 4-Isopropyltoluene(sim)	12.864	119	1470826	10.968	ppbv	100
114] 1,2-Dichlorobenzene(sim)	12.984	146	850059	12.211	ppbv	99
115] n-Butylbenzene(sim)	13.128	91	1251577	9.396	ppbv	94
116] 1,2,4-Trichlorobenzene...	14.165	180	566603	2.715	ppbv	98
118] Hexachlorobutadiene(sim)	14.515	225	694437	9.199	ppbv	97

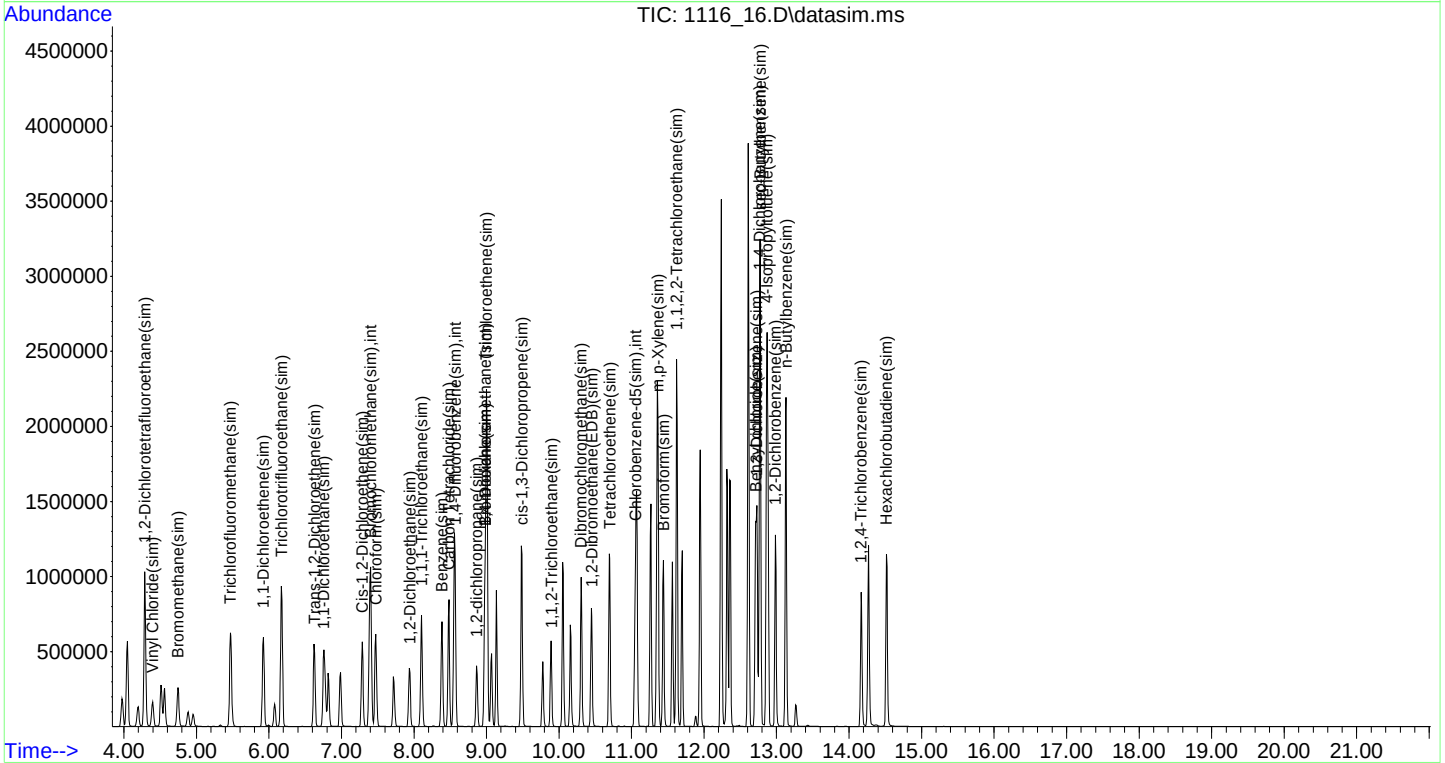
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_16.D
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AIR ICV RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No: SAS No: SDG No GCU98124

ICV - Client Id: ICV_CHEM24_1116

COMPOUND	SPIKE ADDED (ppbv)		ICV CONCENTRATION (ppbv)	ICV % REC #	QC. LIMITS REC.	
Propylene	10		9.687	97	70	130
Dichlorodifluoromethane	10		10.39	104	70	130
Chloromethane	10		9.895	99	70	130
1,2-Dichlorotetrafluoroethane	10		10.28	103	70	130
Vinyl Chloride	10		9.932	99	70	130
1,3-Butadiene	10		9.937	99	70	130
Bromomethane	10		10.22	102	70	130
Chloroethane	10		9.993	100	70	130
Ethanol	10		9.445	94	70	130
Acetone	10		9.982	100	70	130
Trichlorofluoromethane	10		10.33	103	70	130
Isopropylalcohol	10		10.70	107	70	130
Acrylonitrile	10		12.95	130	70	130
1,1-Dichloroethene	10		10.36	104	70	130
Methylene Chloride	10		9.727	97	70	130
Carbon Disulfide	10		10.42	104	70	130
Trichlorotrifluoroethane	10		10.29	103	70	130
Trans-1,2-Dichloroethene	10		10.73	107	70	130
1,1-Dichloroethane	10		10.32	103	70	130
Methyl tert-butyl ether(MTBE)	10		10.94	109	70	130
Methyl Ethyl Ketone	10		10.70	107	70	130
Cis-1,2-Dichloroethene	10		10.38	104	70	130
Hexane	10		10.46	105	70	130
Chloroform	10		10.28	103	70	130
Ethyl acetate	10		11.13	111	70	130
Tetrahydrofuran	10		10.01	100	70	130
1,2-Dichloroethane	10		10.71	107	70	130
1,1,1-Trichloroethane	10		10.38	104	70	130
Benzene	10		10.42	104	70	130
Carbon Tetrachloride	10		10.59	106	70	130
Cyclohexane	10		9.956	100	70	130
1,2-dichloropropane	10		10.66	107	70	130
Bromodichloromethane	10		10.79	108	70	130
Trichloroethene	10		10.74	107	70	130
2,2,4-trimethylpentane	10		10.80	108	70	130
1,4-Dioxane	10		11.82	118	70	130
Heptane	10		10.92	109	70	130
cis-1,3-Dichloropropene	10		11.33	113	70	130
4-Methyl-2-pentanone(MIBK)	10		11.11	111	70	130
trans-1,3-Dichloropropene	10		11.43	114	70	130
1,1,2-Trichloroethane	10		10.76	108	70	130
Toluene	10		11.09	111	70	130
Dibromochloromethane	10		11.14	111	70	130
2-Hexanone(MBK)	10		10.73	107	70	130

FORM VI AIR

AIR ICV RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No: SAS No: SDG No GCU98124

ICV - Client Id: ICV_CHEM24_1116

COMPOUND	SPIKE ADDED (ppbv)		ICV CONCENTRATION (ppbv)	ICV % REC #	QC. LIMITS REC.	
1,2-Dibromoethane(EDB)	10		11.03	110	70	130
Tetrachloroethene	10		10.77	108	70	130
1,1,1,2-Tetrachloroethane	10		10.14	101	70	130
Chlorobenzene	10		10.52	105	70	130
Ethylbenzene	10		11.29	113	70	130
m,p-Xylene	20		23.92	120	70	130
Bromoform	10		11.15	112	70	130
Styrene	10		11.99	120	70	130
1,1,2,2-Tetrachloroethane	10		10.84	108	70	130
o-Xylene	10		11.34	113	70	130
Isopropylbenzene	10		10.84	108	70	130
4-Ethyltoluene	10		11.46	115	70	130
1,3,5-Trimethylbenzene	10		11.53	115	70	130
1,2,4-Trimethylbenzene	10		11.75	118	70	130
Benzyl chloride	10		14.30	143 *	70	130
1,3-Dichlorobenzene	10		11.93	119	70	130
1,4-Dichlorobenzene	10		11.89	119	70	130
sec-Butylbenzene	10		11.21	112	70	130
4-Isopropyltoluene	10		11.28	113	70	130
1,2-Dichlorobenzene	10		11.25	113	70	130
n-Butylbenzene	10		11.85	119	70	130
1,2,4-Trichlorobenzene	10		9.621	96	70	130
Naphthalene	10		9.212	92	70	130
Hexachlorobutadiene	10		9.659	97	70	130

FORM VI AIR

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_17.D
Acq On : 16 Nov 2025 10:36 pm
Operator : Keith
Client ID : ICV_CHEM24_1116
Lab ID : 10ppb lcs ; TO1515
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 17 10:18:43 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	202673	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	718221	10.000	ng		0.00
53) Chlorobenzene-d5	11.051	82	352363	10.000	ng		0.00
80) Bromochloromethane(sim)	7.401	130	224234	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	718221	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.051	82	352363	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	446411	10.159	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.60%				
Target Compounds							Qvalue
2) Propylene	3.979	41	136927	9.687	ppbv		98
3) Dichlorodifluoromethane	4.045	85	563161	10.391	ppbv#		95
4) Chloromethane	4.195	50	164631	9.895	ppbv		100
5) 1,2-Dichlorotetrafluor...	4.286	85	594166	10.276	ppbv#		84
6) Vinyl Chloride	4.394	62	203052	9.932	ppbv		98
7) 1,3-Butadiene	4.518	54	139070	9.937	ppbv		94
8) Bromomethane	4.742	94	232194	10.220	ppbv#		96
9) Chloroethane	4.883	64	96598	9.993	ppbv		86
11) Ethanol	4.957	45	55403	9.445	ppbv#		91
12) Acetone	5.325	43	281068	9.982	ppbv		96
13) Trichlorofluoromethane	5.472	101	588784	10.331	ppbv		97
14) Isopropylalcohol	5.497	45	357623	10.699	ppbv#		97
15) Acrylonitrile	5.662	53	152547	12.951	ppbv		97
16) 1,1-Dichloroethene	5.920	61	342421	10.361	ppbv#		85
17) Methylene Chloride	5.997	49	236238	9.727	ppbv#		63
20) Carbon Disulfide	6.230	76	669783	10.424	ppbv		99
21) Trichlorotrifluoroethane	6.170	101	516066	10.287	ppbv		89
22) Trans-1,2-Dichloroethene	6.627	61	320050	10.728	ppbv#		80
23) 1,1-Dichloroethane	6.757	63	407600	10.317	ppbv		97
24) Methyl tert-butyl ethe...	6.773	73	610582	10.944	ppbv#		79
25) Methyl Ethyl Ketone	6.984	43	409514	10.705	ppbv#		84
26) Cis-1,2-Dichloroethene	7.284	61	301857	10.382	ppbv#		81
27) Hexane	7.406	57	315094	10.458	ppbv#		89
28) Chloroform	7.471	83	507070	10.279	ppbv		96
29) Ethyl acetate	7.390	61	80730	11.132	ppbv#		63
30) Tetrahydrofuran	7.722	42	190742	10.014	ppbv#		62
31) 1,2-Dichloroethane	7.941	62	295565	10.706	ppbv		94
32) 1,1,1-Trichloroethane	8.103	97	500833	10.380	ppbv		94
33) Benzene	8.383	78	704162	10.415	ppbv#		92
34) Carbon Tetrachloride	8.478	117	532301	10.586	ppbv		99
35) Cyclohexane	8.556	84	289972	9.956	ppbv#		63
37) 1,2-dichloropropane	8.868	63	261029	10.656	ppbv#		82
38) Bromodichloromethane	8.980	83	568849	10.788	ppbv		97
39) Trichloroethene	8.997	130	370040	10.742	ppbv		99
40) 2,2,4-trimethylpentane	9.006	57	1064537	10.804	ppbv		94
41) 1,4-Dioxane	8.980	88	166350	11.820	ppbv#		76
43) Heptane	9.136	43	371070	10.917	ppbv#		79
44) cis-1,3-Dichloropropene	9.486	75	534771	11.329	ppbv		96
45) 4-Methyl-2-pentanone(M...	9.486	43	538122	11.114	ppbv#		85
46) trans-1,3-Dichloropropene	9.774	75	365160	11.431	ppbv		96
47) 1,1,2-Trichloroethane	9.894	97	319073	10.765	ppbv		100
48) Toluene	10.056	91	873530	11.088	ppbv		98

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_17.D
Acq On : 16 Nov 2025 10:36 pm
Operator : Keith
Client ID : ICV_CHEM24_1116
Lab ID : 10ppb lcs ; TO1515
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 17 10:18:43 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.302	129	644594	11.137	ppbv	98
50)	2-Hexanone(MBK)	10.161	43	463311	10.729	ppbv#	91
51)	1,2-Dibromoethane(EDB)	10.450	107	555377	11.030	ppbv	98
52)	Tetrachloroethene	10.696	166	488050	10.774	ppbv	94
54)	1,1,1,2-Tetrachloroethane	11.059	131	414846	10.144	ppbv	99
55)	Chlorobenzene	11.074	112	736855	10.523	ppbv	97
56)	Ethylbenzene	11.263	91	1149521	11.294	ppbv	96
57)	m,p-Xylene	11.362	91	1820357	23.922	ppbv	96
58)	Bromoform	11.438	173	682448	11.153	ppbv	99
59)	Styrene	11.567	104	689911	11.994	ppbv#	93
60)	1,1,2,2-Tetrachloroethane	11.620	83	745264	10.836	ppbv	92
61)	o-Xylene	11.627	91	934819	11.345	ppbv	95
64)	Isopropylbenzene	11.946	105	1263688	10.839	ppbv	99
66)	4-Ethyltoluene	12.320	105	1300568	11.463	ppbv	100
67)	1,3,5-Trimethylbenzene	12.359	105	1075418	11.525	ppbv	94
68)	1,2,4-Trimethylbenzene	12.608	105	1109296	11.751	ppbv	99
70)	Benzyl chloride	12.709	91	906624	14.299	ppbv	97
71)	1,3-Dichlorobenzene	12.724	146	800583	11.929	ppbv	98
72)	1,4-Dichlorobenzene	12.763	146	743852	11.893	ppbv	98
73)	sec-Butylbenzene	12.771	105	1604337	11.213	ppbv	100
74)	4-Isopropyltoluene	12.864	119	1468082	11.284	ppbv	100
75)	1,2-Dichlorobenzene	12.989	146	741776	11.253	ppbv	97
76)	n-Butylbenzene	13.129	91	1245870	11.854	ppbv	94
77)	1,2,4-Trichlorobenzene	14.170	180	452925	9.621	ppbv	95
78)	Naphthalene	14.271	128	1038142	9.211	ppbv#	99
79)	Hexachlorobutadiene	14.520	225	556222	9.659	ppbv	98
81]	1,2-Dichlorotetrafluor...	4.286	85	593155	10.303	ppbv#	84
82]	Vinyl Chloride(sim)	4.396	62	223726	10.247	ppbv	98
83]	Bromomethane(sim)	4.742	94	232194	9.672	ppbv#	96
84]	Trichlorofluoromethane...	5.469	101	670205	10.779	ppbv#	98
85]	1,2-Dichloroethane(sim)	7.941	62	295565	10.350	ppbv	94
86]	1,1,1-Trichloroethane(...	8.106	97	572569	11.014	ppbv#	93
87]	Benzene(sim)	8.383	78	704272	10.043	ppbv#	92
88]	Carbon Tetrachloride(sim)	8.481	117	605680	11.794	ppbv	99
89]	1,1-Dichloroethene(sim)	5.920	61	342421	10.136	ppbv#	85
90]	Trichlorotrifluoroetha...	6.173	101	580125	10.725	ppbv#	94
91]	Trans-1,2-Dichloroethe...	6.627	61	320050	10.942	ppbv#	80
92]	1,1-Dichloroethane(sim)	6.752	63	458789	10.887	ppbv	96
93]	Cis-1,2-Dichloroethene...	7.284	61	301857	10.215	ppbv#	81
94]	Chloroform(sim)	7.474	83	571107	9.962	ppbv#	94
96]	1,2-dichloropropane(sim)	8.862	63	291599	10.674	ppbv#	84
97]	Bromodichloromethane(sim)	8.980	83	568849	10.853	ppbv	98
98]	Trichloroethene(sim)	9.000	130	420206	9.505	ppbv	99
99]	1,4-Dioxane(sim)	8.980	88	166350	12.612	ppbv#	76
100]	cis-1,3-Dichloropropen...	9.489	75	551286	12.438	ppbv	96
101]	1,1,2-Trichloroethane(...	9.894	97	319073	10.588	ppbv	100
102]	Dibromochloromethane(sim)	10.305	129	727024	12.195	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.450	107	555377	11.497	ppbv	98
104]	Tetrachloroethene(sim)	10.699	166	565841	10.616	ppbv	94
106]	Bromoform(sim)	11.441	173	763404	12.065	ppbv	99
107]	m,p-Xylene(sim)	11.362	91	1826000	22.999	ppbv	96
108]	1,1,2,2-Tetrachloroeth...	11.623	83	820148	11.010	ppbv	99
109]	Benzyl chloride(sim)	12.709	91	906624	11.265	ppbv	97
110]	1,3-Dichlorobenzene(sim)	12.727	146	971198	9.521	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.763	146	743424	9.660	ppbv	98

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_17.D
Acq On : 16 Nov 2025 10:36 pm
Operator : Keith
Client ID : ICV_CHEM24_1116
Lab ID : 10ppb lcs ; TO1515
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 17 10:18:43 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

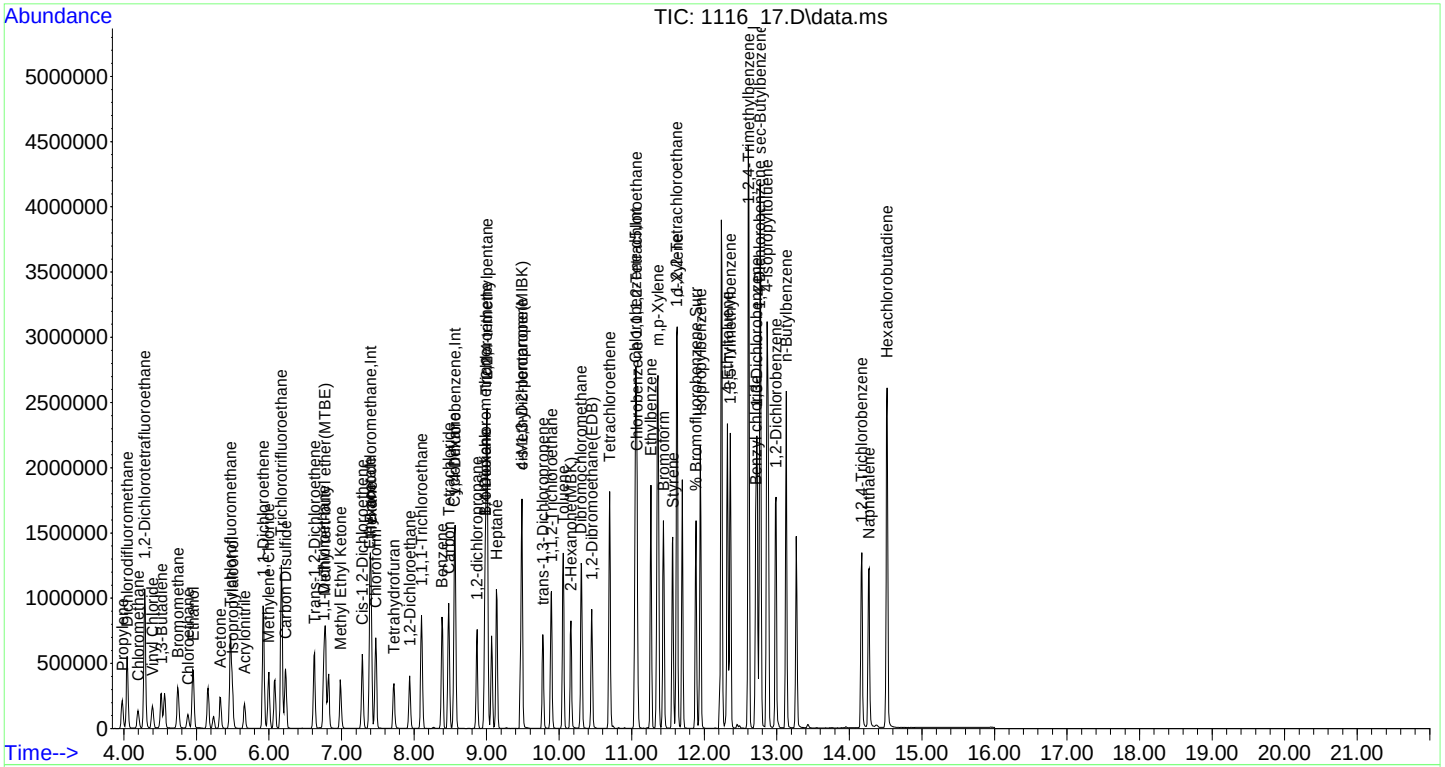
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	1796303	12.646	ppbv	100
113] 4-Isopropyltoluene(sim)	12.864	119	1468287	11.360	ppbv	100
114] 1,2-Dichlorobenzene(sim)	12.984	146	882408	13.151	ppbv	99
115] n-Butylbenzene(sim)	13.129	91	1245870	9.655	ppbv	94
116] 1,2,4-Trichlorobenzene...	14.165	180	544380	2.711	ppbv	98
118] Hexachlorobutadiene(sim)	14.515	225	658921	9.056	ppbv	97

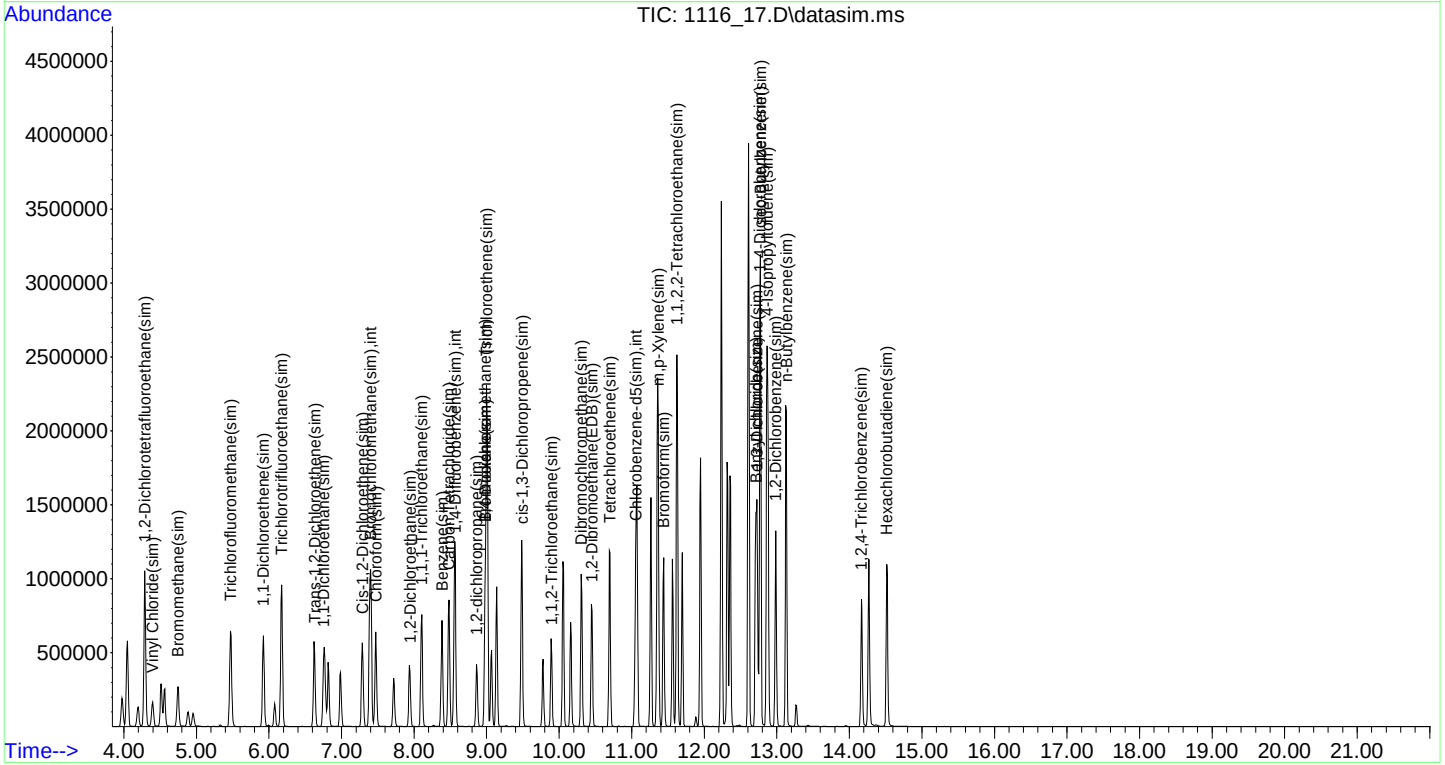
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\11NOV\16A\
Data File : 1116_17.D
Acq On : 16 Nov 2025 10:36 pm
Operator : Keith
Client ID : ICV_CHEM24_1116
Lab ID : 10ppb lcs ; TO1515
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 17 10:18:43 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration





7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98124

Instrument: CHEM24 Calibration Date: 12/17/25 Time: 13:55

Lab File Id: 1217_02.D Init. Calib. Date(s): 11/16/25 11/16/25

Heated Purge (Y/N): Y Init. Calib. Times: 14:28 21:58

GC Column: RTX-1 Method File: 24_AIR_1116.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	0.697	0.683		2.0	30
Dichlorodifluoromethane	2.674	2.806		-4.9	30
Chloromethane	0.821	0.837		-1.9	30
1,2-Dichlorotetrafluoroethane	2.853	2.840		0.5	30
Vinyl Chloride	1.009	0.956		5.3	30
1,3-Butadiene	0.691	0.640		7.4	30
Bromomethane	1.121	1.176		-4.9	30
Chloroethane	0.477	0.450		5.7	30
Ethanol	0.289	0.269		6.9	30
Acetone	1.389	1.351		2.7	30
Trichlorofluoromethane	2.812	2.775		1.3	30
Isopropylalcohol	1.649	1.556		5.6	30
Acrylonitrile	0.581	0.615		-5.9	30
1,1-Dichloroethene	1.631	1.683		-3.2	30
Methylene Chloride	1.198	1.216		-1.5	30
Carbon Disulfide	3.170	3.195		-0.8	30
Trichlorotrifluoroethane	2.475	2.501		-1.1	30
Trans-1,2-Dichloroethene	1.472	1.462		0.7	30
1,1-Dichloroethane	1.949	1.898		2.6	30
Methyl tert-butyl ether(MTBE)	2.753	2.726		1.0	30
Methyl Ethyl Ketone	1.888	1.855		1.7	30
Cis-1,2-Dichloroethene	1.435	1.411		1.7	30
Hexane	1.487	1.477		0.7	30
Chloroform	2.434	2.427		0.3	30
Ethyl acetate	0.358	0.347		3.1	30
Tetrahydrofuran	0.940	0.945		-0.5	30
1,2-Dichloroethane	1.362	1.352		0.7	30
1,1,1-Trichloroethane	2.381	2.317		2.7	30
Benzene	3.336	3.367		-0.9	30
Carbon Tetrachloride	2.481	2.474		0.3	30
Cyclohexane	1.437	1.433		0.3	30
1,2-dichloropropane	0.341	0.340		0.3	30
Bromodichloromethane	0.734	0.715		2.6	30
Trichloroethene	0.480	0.464		3.3	30
2,2,4-trimethylpentane	1.372	1.342		2.2	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98124

Instrument: CHEM24 Calibration Date: 12/17/25 Time: 13:55

Lab File Id: 1217_02.D Init. Calib. Date(s): 11/16/25 11/16/25

Heated Purge (Y/N): Y Init. Calib. Times: 14:28 21:58

GC Column: RTX-1 Method File: 24_AIR_1116.M

COMPOUND		RRF	RRF1	RRF MIN	%D	% D LIMITS
1,4-Dioxane		0.196	0.195		0.5	30
Heptane		0.473	0.477		-0.8	30
cis-1,3-Dichloropropene		0.657	0.643		2.1	30
4-Methyl-2-pentanone(MIBK)		0.674	0.629		6.7	30
trans-1,3-Dichloropropene		0.445	0.426		4.3	30
1,1,2-Trichloroethane		0.413	0.407		1.5	30
Toluene		1.097	1.088		0.8	30
Dibromochloromethane		0.806	0.791		1.9	30
2-Hexanone(MBK)	q	1.000	0.74		26.0 #	20
1,2-Dibromoethane(EDB)		0.701	0.682		2.7	30
Tetrachloroethene		0.631	0.646		-2.4	30
1,1,1,2-Tetrachloroethane		1.161	1.231		-6.0	30
Chlorobenzene		1.987	2.085		-4.9	30
Ethylbenzene		2.889	3.019		-4.5	30
m,p-Xylene		2.160	1.897		12.2	30
Bromoform		1.736	1.796		-3.5	30
Styrene		1.632	1.612		1.2	30
1,1,2,2-Tetrachloroethane		1.952	1.933		1.0	30
o-Xylene		2.339	2.472		-5.7	30
Isopropylbenzene		3.309	3.605		-8.9	30
4-Ethyltoluene		3.220	3.099		3.8	30
1,3,5-Trimethylbenzene		2.648	2.887		-9.0	30
1,2,4-Trimethylbenzene		2.679	2.729		-1.9	30
Benzyl chloride		1.799	1.337		25.7	30
1,3-Dichlorobenzene		1.905	1.754		7.9	30
1,4-Dichlorobenzene		1.775	1.566		11.8	30
sec-Butylbenzene		4.060	4.550		-12.1	30
4-Isopropyltoluene		3.692	4.029		-9.1	30
1,2-Dichlorobenzene		1.871	1.649		11.9	30
n-Butylbenzene		2.983	3.002		-0.6	30
1,2,4-Trichlorobenzene	q	1.000	0.43		57.0 #	20
Naphthalene	q	1.000	0.46		54.0 #	20
Hexachlorobutadiene		1.634	1.493		8.6	30
1,2-Dichlorotetrafluoroethane(sim)		2.567	2.528		1.5	30
Vinyl Chloride(sim)		0.974	0.924		5.1	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98124

Instrument: CHEM24 Calibration Date: 12/17/25 Time: 13:55

Lab File Id: 1217_02.D Init. Calib. Date(s): 11/16/25 11/16/25

Heated Purge (Y/N): Y Init. Calib. Times: 14:28 21:58

GC Column: RTX-1 Method File: 24_AIR_1116.M

COMPOUND		RRF	RRF1	RRF MIN	%D	% D LIMITS
Bromomethane(sim)		1.071	1.047		2.2	30
Trichlorofluoromethane(sim)		2.773	2.756		0.6	30
1,2-Dichloroethane(sim)		1.274	1.203		5.6	30
1,1,1-Trichloroethane(sim)		2.318	2.295		1.0	30
Benzene(sim)		3.127	2.997		4.2	30
Carbon Tetrachloride(sim)		2.290	2.440		-6.6	30
1,1-Dichloroethene(sim)		1.507	1.498		0.6	30
Trichlorotrifluoroethane(sim)		2.412	2.442		-1.2	30
Trans-1,2-Dichloroethene(sim)		1.304	1.302		0.2	30
1,1-Dichloroethane(sim)		1.879	1.863		0.9	30
Cis-1,2-Dichloroethene(sim)		1.318	1.256		4.7	30
Chloroform(sim)		2.557	2.349		8.1	30
1,2-dichloropropane(sim)		0.380	0.368		3.2	30
Bromodichloromethane(sim)		0.730	0.715		2.1	30
Trichloroethene(sim)		0.616	0.523		15.1	30
1,4-Dioxane(sim)		0.184	0.195		-6.0	30
cis-1,3-Dichloropropene(sim)		0.617	0.643		-4.2	30
1,1,2-Trichloroethane(sim)		0.420	0.407		3.1	30
Dibromochloromethane(sim)		0.830	0.860		-3.6	30
1,2-Dibromoethane(EDB)(sim)		0.673	0.682		-1.3	30
Tetrachloroethene(sim)		0.742	0.706		4.9	30
Bromoform(sim)		1.796	1.934		-7.7	30
m,p-Xylene(sim)		2.253	2.407		-6.8	30
1,1,2,2-Tetrachloroethane(sim)		2.114	2.122		-0.4	30
Benzyl chloride(sim)	q	1.000	0.78		22.0 #	20
1,3-Dichlorobenzene(sim)	q	1.000	0.90		10.0	20
1,4-Dichlorobenzene(sim)	q	1.000	0.88		12.0	20
sec-Butylbenzene(sim)		4.031	5.022		-24.6	30
4-Isopropyltoluene(sim)		3.668	4.029		-9.8	30
1,2-Dichlorobenzene(sim)		1.904	1.928		-1.3	30
n-Butylbenzene(sim)	q	1.000	0.99		1.0	20
1,2,4-Trichlorobenzene(sim)	q	1.000	0.63		37.0 #	20
Hexachlorobutadiene(sim)		2.065	1.743		15.6	30
% Bromofluorobenzene		1.247	1.296		-3.9	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_02.D
Acq On : 17 Dec 2025 1:55 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; TO1516P - 1ppb ccal; TO1516P
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 14:43:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%
1	Int	Bromochloromethane	1.000	1.000	0.0	84
2		Propylene	0.697	0.683	2.0	
3		Dichlorodifluoromethane	2.674	2.806	-4.9	
4		Chloromethane	0.821	0.837	-1.9	
5		1,2-Dichlorotetrafluoroetha	2.853	2.840	0.5	
6		Vinyl Chloride	1.009	0.956	5.3	
7		1,3-Butadiene	0.691	0.640	7.4	
8		Bromomethane	1.121	1.176	-4.9	
9		Chloroethane	0.477	0.450	5.7	
11		Ethanol	0.289	0.269	6.9	
12		Acetone	1.389	1.351	2.7	
13		Trichlorofluoromethane	2.812	2.775	1.3	
14		Isopropylalcohol	1.649	1.556	5.6	
15		Acrylonitrile	0.581	0.615	-5.9	
16		1,1-Dichloroethene	1.631	1.683	-3.2	
17		Methylene Chloride	1.198	1.216	-1.5	
20		Carbon Disulfide	3.170	3.195	-0.8	
21		Trichlorotrifluoroethane	2.475	2.501	-1.1	
22		Trans-1,2-Dichloroethene	1.472	1.462	0.7	
23		1,1-Dichloroethane	1.949	1.898	2.6	
24		Methyl tert-butyl ether(MTB	2.753	2.726	1.0	
25		Methyl Ethyl Ketone	1.888	1.855	1.7	
26		Cis-1,2-Dichloroethene	1.435	1.411	1.7	
27		Hexane	1.487	1.477	0.7	
28		Chloroform	2.434	2.427	0.3	
29		Ethyl acetate	0.358	0.347	3.1	
30		Tetrahydrofuran	0.940	0.945	-0.5	
31		1,2-Dichloroethane	1.362	1.352	0.7	
32		1,1,1-Trichloroethane	2.381	2.317	2.7	
33		Benzene	3.336	3.367	-0.9	
34		Carbon Tetrachloride	2.481	2.474	0.3	
35		Cyclohexane	1.437	1.433	0.3	
36	Int	1,4-Difluorobenzene	1.000	1.000	0.0	85
37		1,2-dichloropropane	0.341	0.340	0.3	
38		Bromodichloromethane	0.734	0.715	2.6	
39		Trichloroethene	0.480	0.464	3.3	
40		2,2,4-trimethylpentane	1.372	1.342	2.2	
41		1,4-Dioxane	0.196	0.195	0.5	
43		Heptane	0.473	0.477	-0.8	
44		cis-1,3-Dichloropropene	0.657	0.643	2.1	
45		4-Methyl-2-pentanone(MIBK)	0.674	0.629	6.7	
46		trans-1,3-Dichloropropene	0.445	0.426	4.3	
47		1,1,2-Trichloroethane	0.413	0.407	1.5	
48		Toluene	1.097	1.088	0.8	
49		Dibromochloromethane	0.806	0.791	1.9	
50	qf	2-Hexanone(MBK)	1.000	0.744	25.6	
51		1,2-Dibromoethane(EDB)	0.701	0.682	2.7	
52		Tetrachloroethene	0.631	0.646	-2.4	
53	Int	Chlorobenzene-d5	1.000	1.000	0.0	83

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_02.D
Acq On : 17 Dec 2025 1:55 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; TO1516P - 1ppb ccal; TO1516P
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 14:43:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	
54		1,1,1,2-Tetrachloroethane	1.161	1.231	-6.0		
55		Chlorobenzene	1.987	2.085	-4.9		
56		Ethylbenzene	2.889	3.019	-4.5		
57		m,p-Xylene	2.160	1.897	12.2		
58		Bromoform	1.736	1.796	-3.5		
59		Styrene	1.632	1.612	1.2		
60		1,1,2,2-Tetrachloroethane	1.952	1.933	1.0		
61		o-Xylene	2.339	2.472	-5.7		
62	Surr	% Bromofluorobenzene	1.247	1.296	-3.9		
64		Isopropylbenzene	3.309	3.605	-8.9		
66		4-Ethyltoluene	3.220	3.099	3.8		
67		1,3,5-Trimethylbenzene	2.648	2.887	-9.0		
68		1,2,4-Trimethylbenzene	2.679	2.729	-1.9		
70		Benzyl chloride	1.799	1.337	25.7		
71		1,3-Dichlorobenzene	1.905	1.754	7.9		
72		1,4-Dichlorobenzene	1.775	1.566	11.8		
73		sec-Butylbenzene	4.060	4.550	-12.1		
74		4-Isopropyltoluene	3.692	4.029	-9.1		
75		1,2-Dichlorobenzene	1.871	1.649	11.9		
76		n-Butylbenzene	2.983	3.002	-0.6		
77	qf	1,2,4-Trichlorobenzene	1.000	0.434	56.6#		
78	qf	Naphthalene	1.000	0.458	54.2#		
79		Hexachlorobutadiene	1.634	1.493	8.6		
80	int	Bromochloromethane(sim)	1.000	1.000	0.0	85	
81		1,2-Dichlorotetrafluoroetha	2.567	2.528	1.5		
82		Vinyl Chloride(sim)	0.974	0.924	5.1		
83		Bromomethane(sim)	1.071	1.047	2.2		
84		Trichlorofluoromethane(sim)	2.773	2.756	0.6		
85		1,2-Dichloroethane(sim)	1.274	1.203	5.6		
86		1,1,1-Trichloroethane(sim)	2.318	2.295	1.0		
87		Benzene(sim)	3.127	2.997	4.2		
88		Carbon Tetrachloride(sim)	2.290	2.440	-6.6		
89		1,1-Dichloroethene(sim)	1.507	1.498	0.6		
90		Trichlorotrifluoroethane(si	2.412	2.442	-1.2		
91		Trans-1,2-Dichloroethene(si	1.304	1.302	0.2		
92		1,1-Dichloroethane(sim)	1.879	1.863	0.9		
93		Cis-1,2-Dichloroethene(sim)	1.318	1.256	4.7		
94		Chloroform(sim)	2.557	2.349	8.1		
95	int	1,4-Difluorobenzene(sim)	1.000	1.000	0.0	85	
96		1,2-dichloropropane(sim)	0.380	0.368	3.2		
97		Bromodichloromethane(sim)	0.730	0.715	2.1		
98		Trichloroethene(sim)	0.616	0.523	15.1		
99		1,4-Dioxane(sim)	0.184	0.195	-6.0		
100		cis-1,3-Dichloropropene(sim	0.617	0.643	-4.2		
101		1,1,2-Trichloroethane(sim)	0.420	0.407	3.1		
102		Dibromochloromethane(sim)	0.830	0.860	-3.6		
103		1,2-Dibromoethane(EDB)(sim)	0.673	0.682	-1.3		
104		Tetrachloroethene(sim)	0.742	0.706	4.9		

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_02.D
Acq On : 17 Dec 2025 1:55 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; TO1516P - 1ppb ccal; TO1516P
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 14:43:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%
105	int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	83
106		Bromoform(sim)	1.796	1.934	-7.7	
107		m,p-Xylene(sim)	2.253	2.407	-6.8	
108		1,1,2,2-Tetrachloroethane(s	2.114	2.122	-0.4	
109	qf	Benzyl chloride(sim)	1.000	0.783	21.7	
110	qf	1,3-Dichlorobenzene(sim)	1.000	0.900	10.0	
111	qf	1,4-Dichlorobenzene(sim)	1.000	0.882	11.8	
112		sec-Butylbenzene(sim)	4.031	5.022	-24.6	
113		4-Isopropyltoluene(sim)	3.668	4.029	-9.8	
114		1,2-Dichlorobenzene(sim)	1.904	1.928	-1.3	
115	qf	n-Butylbenzene(sim)	1.000	0.986	1.4	
116	qf	1,2,4-Trichlorobenzene(sim)	1.000	0.631	36.9	
118		Hexachlorobutadiene(sim)	2.065	1.743	15.6	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
Laboratory Warning Limits Out = 0

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_02.D
Acq On : 17 Dec 2025 1:55 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; TO1516P - 1ppb ccal; TO1516P
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 14:43:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	169282	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	612290	10.000	ng		0.00
53) Chlorobenzene-d5	11.043	82	278502	10.000	ng		0.00
80) Bromochloromethane(sim)	7.392	130	190160	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	612127	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.043	82	278502	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	360842	10.389	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.90%				
Target Compounds							Qvalue
2) Propylene	3.979	41	11560	0.979	ppbv		97
3) Dichlorodifluoromethane	4.045	85	47503	1.049	ppbv#		96
4) Chloromethane	4.195	50	14166	1.019	ppbv		100
5) 1,2-Dichlorotetrafluor...	4.286	85	48077	0.995	ppbv		84
6) Vinyl Chloride	4.394	62	16181	0.948	ppbv		97
7) 1,3-Butadiene	4.510	54	10840	0.927	ppbv		94
8) Bromomethane	4.742	94	19909	1.049	ppbv#		92
9) Chloroethane	4.883	64	7619	0.944	ppbv		82
11) Ethanol	4.957	45	4552	0.929	ppbv		97
12) Acetone	5.337	43	22875	0.973	ppbv		90
13) Trichlorofluoromethane	5.466	101	46982	0.987	ppbv		99
14) Isopropylalcohol	5.509	45	26340	0.943	ppbv#		93
15) Acrylonitrile	5.662	53	10405	1.058	ppbv		94
16) 1,1-Dichloroethene	5.920	61	28489	1.032	ppbv#		84
17) Methylene Chloride	5.997	49	20590	1.015	ppbv#		64
20) Carbon Disulfide	6.230	76	54090	1.008	ppbv		99
21) Trichlorotrifluoroethane	6.170	101	42335	1.010	ppbv		89
22) Trans-1,2-Dichloroethene	6.619	61	24753	0.993	ppbv#		77
23) 1,1-Dichloroethane	6.757	63	32136	0.974	ppbv		94
24) Methyl tert-butyl ethe...	6.789	73	46152	0.990	ppbv#		81
25) Methyl Ethyl Ketone	6.992	43	31394	0.983	ppbv#		83
26) Cis-1,2-Dichloroethene	7.284	61	23889	0.984	ppbv#		77
27) Hexane	7.406	57	24995	0.993	ppbv#		89
28) Chloroform	7.471	83	41087	0.997	ppbv		95
29) Ethyl acetate	7.390	61	5872	0.969	ppbv#		56
30) Tetrahydrofuran	7.730	42	15996	1.005	ppbv#		66
31) 1,2-Dichloroethane	7.941	62	22885	0.992	ppbv		92
32) 1,1,1-Trichloroethane	8.103	97	39226	0.973	ppbv		95
33) Benzene	8.383	78	56989	1.009	ppbv#		91
34) Carbon Tetrachloride	8.478	117	41876	0.997	ppbv		99
35) Cyclohexane	8.556	84	24258	0.997	ppbv#		65
37) 1,2-dichloropropane	8.859	63	20810	0.997	ppbv#		81
38) Bromodichloromethane	8.980	83	43789	0.974	ppbv		98
39) Trichloroethene	8.997	130	28408	0.967	ppbv		97
40) 2,2,4-trimethylpentane	9.006	57	82153	0.978	ppbv		93
41) 1,4-Dioxane	8.997	88	11930	0.994	ppbv#		78
43) Heptane	9.136	43	29184	1.007	ppbv#		80
44) cis-1,3-Dichloropropene	9.486	75	39341	0.978	ppbv		99
45) 4-Methyl-2-pentanone(M...	9.493	43	38500	0.933	ppbv#		84
46) trans-1,3-Dichloropropene	9.774	75	26101	0.958	ppbv		96
47) 1,1,2-Trichloroethane	9.887	97	24912	0.986	ppbv		98
48) Toluene	10.056	91	66618	0.992	ppbv		97

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_02.D
Acq On : 17 Dec 2025 1:55 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; TO1516P - 1ppb ccal; TO1516P
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 14:43:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.302	129	48437	0.982	ppbv	99
50) 2-Hexanone(MBK)	10.168	43	26707	0.744	ppbv#	97
51) 1,2-Dibromoethane(EDB)	10.450	107	41767	0.973	ppbv	98
52) Tetrachloroethene	10.696	166	39537	1.024	ppbv	93
54) 1,1,1,2-Tetrachloroethane	11.059	131	34292	1.061	ppbv	99
55) Chlorobenzene	11.074	112	58065	1.049	ppbv	96
56) Ethylbenzene	11.263	91	84074	1.045	ppbv	97
57) m,p-Xylene	11.354	91	132091	2.196	ppbv	98
58) Bromoform	11.438	173	50014	1.034	ppbv	100
59) Styrene	11.567	104	44889	0.987	ppbv#	93
60) 1,1,2,2-Tetrachloroethane	11.620	83	53830	0.990	ppbv	95
61) o-Xylene	11.627	91	68843	1.057	ppbv	99
64) Isopropylbenzene	11.946	105	100408	1.090	ppbv	98
66) 4-Ethyltoluene	12.320	105	86295	0.962	ppbv	98
67) 1,3,5-Trimethylbenzene	12.359	105	80412	1.090	ppbv	96
68) 1,2,4-Trimethylbenzene	12.608	105	76000	1.019	ppbv	97
70) Benzyl chloride	12.709	91	37231	0.743	ppbv	96
71) 1,3-Dichlorobenzene	12.724	146	48859	0.921	ppbv	98
72) 1,4-Dichlorobenzene	12.763	146	43614	0.882	ppbv	98
73) sec-Butylbenzene	12.771	105	126725	1.121	ppbv	99
74) 4-Isopropyltoluene	12.864	119	112213	1.091	ppbv	99
75) 1,2-Dichlorobenzene	12.981	146	45936	0.882	ppbv	98
76) n-Butylbenzene	13.129	91	83613	1.007	ppbv	94
77) 1,2,4-Trichlorobenzene	14.170	180	15658	0.434	ppbv	97
78) Naphthalene	14.271	128	42010	0.458	ppbv#	99
79) Hexachlorobutadiene	14.520	225	41573	0.913	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.286	85	48081	0.985	ppbv	84
82] Vinyl Chloride(sim)	4.396	62	17568	0.949	ppbv	97
83] Bromomethane(sim)	4.742	94	19909	0.978	ppbv#	91
84] Trichlorofluoromethane...	5.469	101	52417	0.994	ppbv#	98
85] 1,2-Dichloroethane(sim)	7.941	62	22885	0.945	ppbv	92
86] 1,1,1-Trichloroethane(...	8.106	97	43644	0.990	ppbv#	94
87] Benzene(sim)	8.383	78	56989	0.958	ppbv#	91
88] Carbon Tetrachloride(sim)	8.481	117	46407	1.066	ppbv	98
89] 1,1-Dichloroethene(sim)	5.920	61	28489	0.994	ppbv#	84
90] Trichlorotrifluoroetha...	6.173	101	46432	1.012	ppbv#	94
91] Trans-1,2-Dichloroethe...	6.619	61	24753	0.998	ppbv#	77
92] 1,1-Dichloroethane(sim)	6.752	63	35436	0.992	ppbv	96
93] Cis-1,2-Dichloroethene...	7.284	61	23889	0.953	ppbv#	77
94] Chloroform(sim)	7.474	83	44675	0.919	ppbv#	95
96] 1,2-dichloropropane(sim)	8.862	63	22499	0.966	ppbv#	85
97] Bromodichloromethane(sim)	8.980	83	43789	0.980	ppbv	99
98] Trichloroethene(sim)	9.000	130	32025	0.850	ppbv	99
99] 1,4-Dioxane(sim)	8.997	88	11930	1.061	ppbv#	78
100] cis-1,3-Dichloropropen...	9.482	75	39350	1.042	ppbv	98
101] 1,1,2-Trichloroethane(...	9.887	97	24912	0.970	ppbv	98
102] Dibromochloromethane(sim)	10.305	129	52630	1.036	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.450	107	41767	1.014	ppbv	98
104] Tetrachloroethene(sim)	10.692	166	43217	0.951	ppbv	95
106] Bromoform(sim)	11.441	173	53864	1.077	ppbv	100
107] m,p-Xylene(sim)	11.354	91	134048	2.136	ppbv	98
108] 1,1,2,2-Tetrachloroeth...	11.623	83	59098	1.004	ppbv	99
109] Benzyl chloride(sim)	12.709	91	37231	0.783	ppbv	96
110] 1,3-Dichlorobenzene(sim)	12.727	146	57848	0.900	ppbv	97
111] 1,4-Dichlorobenzene(sim)	12.763	146	43614	0.882	ppbv	98

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_02.D
Acq On : 17 Dec 2025 1:55 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; TO1516P - 1ppb ccal; TO1516P
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 14:43:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

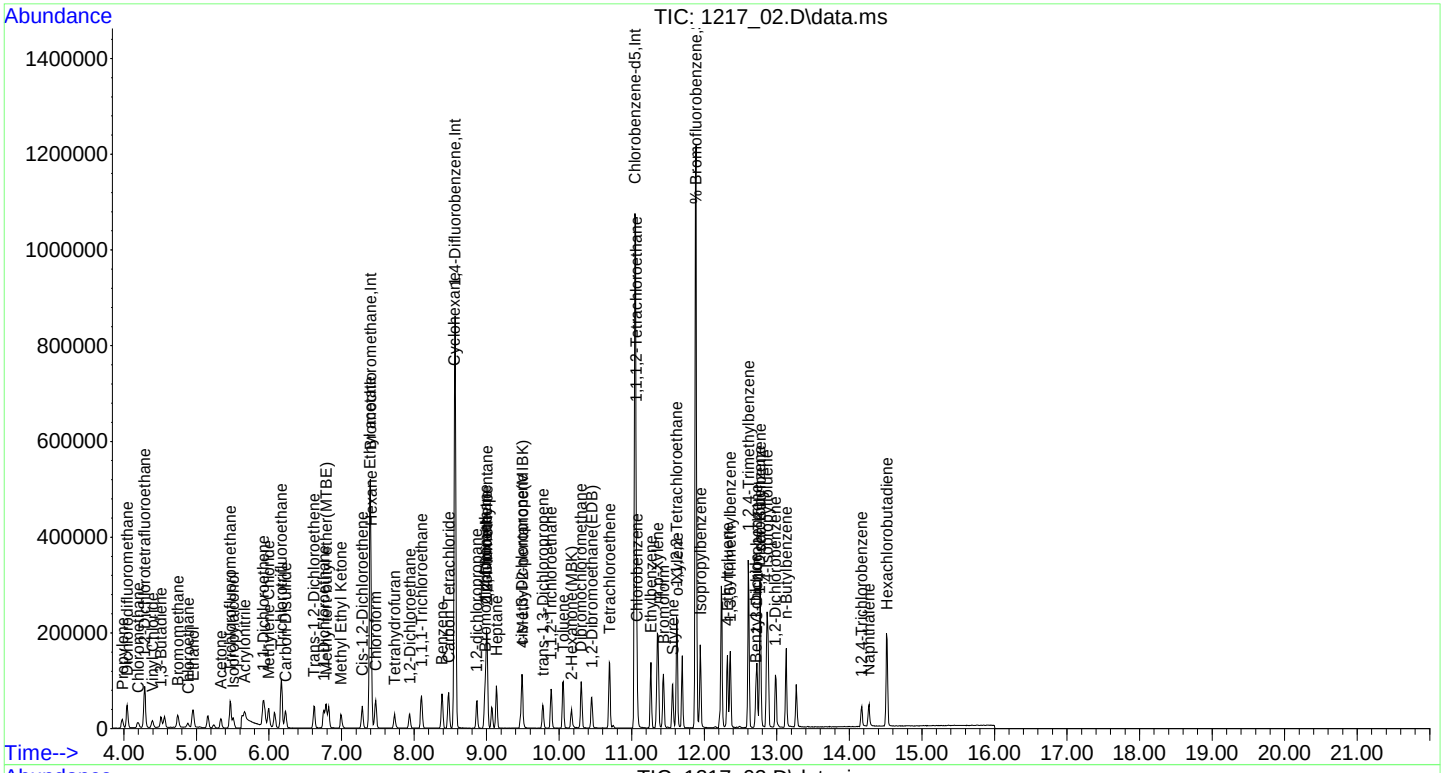
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	139867	1.246	ppbv	99
113] 4-Isopropyltoluene(sim)	12.864	119	112213	1.098	ppbv	99
114] 1,2-Dichlorobenzene(sim)	12.984	146	53699	1.013	ppbv	99
115] n-Butylbenzene(sim)	13.129	91	83613	0.986	ppbv	94
116] 1,2,4-Trichlorobenzene...	14.165	180	18539	0.631	ppbv	98
118] Hexachlorobutadiene(sim)	14.515	225	48543	0.844	ppbv	97

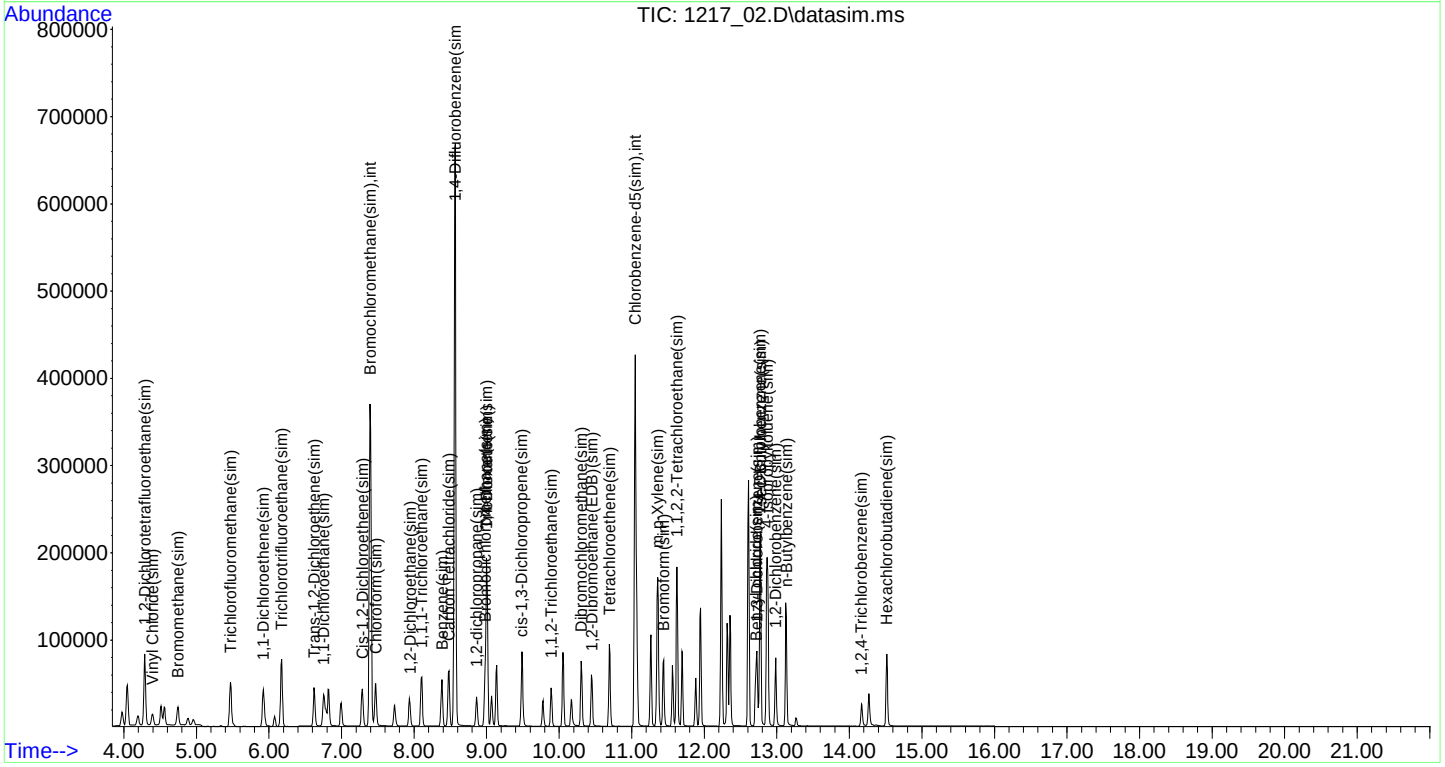
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_02.D
Acq On : 17 Dec 2025 1:55 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; TO1516P - 1ppb ccal; TO1516P
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 14:43:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration





7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98124

Instrument: CHEM24 Calibration Date: 12/18/25 Time: 09:40

Lab File Id: 1217_25.D Init. Calib. Date(s): 11/16/25 11/16/25

Heated Purge (Y/N): Y Init. Calib. Times: 14:28 21:58

GC Column: RTX-1 Method File: 24_AIR_1116.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Propylene	0.697	0.653		6.3	30
Dichlorodifluoromethane	2.674	2.709		-1.3	30
Chloromethane	0.821	0.812		1.1	30
1,2-Dichlorotetrafluoroethane	2.853	2.720		4.7	30
Vinyl Chloride	1.009	0.933		7.5	30
1,3-Butadiene	0.691	0.624		9.7	30
Bromomethane	1.121	1.109		1.1	30
Chloroethane	0.477	0.448		6.1	30
Ethanol	0.289	0.256		11.4	30
Acetone	1.389	1.282		7.7	30
Trichlorofluoromethane	2.812	2.703		3.9	30
Isopropylalcohol	1.649	1.525		7.5	30
Acrylonitrile	0.581	0.565		2.8	30
1,1-Dichloroethene	1.631	1.549		5.0	30
Methylene Chloride	1.198	1.149		4.1	30
Carbon Disulfide	3.170	3.026		4.5	30
Trichlorotrifluoroethane	2.475	2.399		3.1	30
Trans-1,2-Dichloroethene	1.472	1.431		2.8	30
1,1-Dichloroethane	1.949	1.837		5.7	30
Methyl tert-butyl ether(MTBE)	2.753	2.546		7.5	30
Methyl Ethyl Ketone	1.888	1.733		8.2	30
Cis-1,2-Dichloroethene	1.435	1.343		6.4	30
Hexane	1.487	1.369		7.9	30
Chloroform	2.434	2.343		3.7	30
Ethyl acetate	0.358	0.330		7.8	30
Tetrahydrofuran	0.940	0.821		12.7	30
1,2-Dichloroethane	1.362	1.326		2.6	30
1,1,1-Trichloroethane	2.381	2.263		5.0	30
Benzene	3.336	3.184		4.6	30
Carbon Tetrachloride	2.481	2.333		6.0	30
Cyclohexane	1.437	1.359		5.4	30
1,2-dichloropropane	0.341	0.328		3.8	30
Bromodichloromethane	0.734	0.697		5.0	30
Trichloroethene	0.480	0.454		5.4	30
2,2,4-trimethylpentane	1.372	1.327		3.3	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98124

Instrument: CHEM24 Calibration Date: 12/18/25 Time: 09:40

Lab File Id: 1217_25.D Init. Calib. Date(s): 11/16/25 11/16/25

Heated Purge (Y/N): Y Init. Calib. Times: 14:28 21:58

GC Column: RTX-1 Method File: 24_AIR_1116.M

COMPOUND		RRF	RRF50	RRF MIN	%D	% D LIMITS
1,4-Dioxane		0.196	0.185		5.6	30
Heptane		0.473	0.439		7.2	30
cis-1,3-Dichloropropene		0.657	0.618		5.9	30
4-Methyl-2-pentanone(MIBK)		0.674	0.633		6.1	30
trans-1,3-Dichloropropene		0.445	0.403		9.4	30
1,1,2-Trichloroethane		0.413	0.408		1.2	30
Toluene		1.097	1.040		5.2	30
Dibromochloromethane		0.806	0.775		3.8	30
2-Hexanone(MBK)	q	1.000	0.71		29.0 #	20
1,2-Dibromoethane(EDB)		0.701	0.663		5.4	30
Tetrachloroethene		0.631	0.619		1.9	30
1,1,1,2-Tetrachloroethane		1.161	1.201		-3.4	30
Chlorobenzene		1.987	2.061		-3.7	30
Ethylbenzene		2.889	2.913		-0.8	30
m,p-Xylene		2.160	1.856		14.1	30
Bromoform		1.736	1.769		-1.9	30
Styrene		1.632	1.541		5.6	30
1,1,2,2-Tetrachloroethane		1.952	1.925		1.4	30
o-Xylene		2.339	2.416		-3.3	30
Isopropylbenzene		3.309	3.554		-7.4	30
4-Ethyltoluene		3.220	3.016		6.3	30
1,3,5-Trimethylbenzene		2.648	2.846		-7.5	30
1,2,4-Trimethylbenzene		2.679	2.584		3.5	30
Benzyl chloride		1.799	1.247		30.7 #	30
1,3-Dichlorobenzene		1.905	1.690		11.3	30
1,4-Dichlorobenzene		1.775	1.507		15.1	30
sec-Butylbenzene		4.060	4.390		-8.1	30
4-Isopropyltoluene		3.692	3.987		-8.0	30
1,2-Dichlorobenzene		1.871	1.669		10.8	30
n-Butylbenzene		2.983	2.864		4.0	30
1,2,4-Trichlorobenzene	q	1.000	0.38		62.0 #	20
Naphthalene	q	1.000	0.38		62.0 #	20
Hexachlorobutadiene		1.634	1.435		12.2	30
1,2-Dichlorotetrafluoroethane(sim)		2.567	2.432		5.3	30
Vinyl Chloride(sim)		0.974	0.904		7.2	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU98124

Instrument: CHEM24 Calibration Date: 12/18/25 Time: 09:40

Lab File Id: 1217_25.D Init. Calib. Date(s): 11/16/25 11/16/25

Heated Purge (Y/N): Y Init. Calib. Times: 14:28 21:58

GC Column: RTX-1 Method File: 24_AIR_1116.M

COMPOUND		RRF	RRF50	RRF MIN	%D	% D LIMITS
Bromomethane(sim)		1.071	0.991		7.5	30
Trichlorofluoromethane(sim)		2.773	2.673		3.6	30
1,2-Dichloroethane(sim)		1.274	1.186		6.9	30
1,1,1-Trichloroethane(sim)		2.318	2.245		3.1	30
Benzene(sim)		3.127	2.847		9.0	30
Carbon Tetrachloride(sim)		2.290	2.360		-3.1	30
1,1-Dichloroethene(sim)		1.507	1.385		8.1	30
Trichlorotrifluoroethane(sim)		2.412	2.391		0.9	30
Trans-1,2-Dichloroethene(sim)		1.304	1.279		1.9	30
1,1-Dichloroethane(sim)		1.879	1.807		3.8	30
Cis-1,2-Dichloroethene(sim)		1.318	1.201		8.9	30
Chloroform(sim)		2.557	2.267		11.3	30
1,2-dichloropropane(sim)		0.380	0.354		6.8	30
Bromodichloromethane(sim)		0.730	0.697		4.5	30
Trichloroethene(sim)		0.616	0.515		16.4	30
1,4-Dioxane(sim)		0.184	0.185		-0.5	30
cis-1,3-Dichloropropene(sim)		0.617	0.609		1.3	30
1,1,2-Trichloroethane(sim)		0.420	0.408		2.9	30
Dibromochloromethane(sim)		0.830	0.846		-1.9	30
1,2-Dibromoethane(EDB)(sim)		0.673	0.663		1.5	30
Tetrachloroethene(sim)		0.742	0.687		7.4	30
Bromoform(sim)		1.796	1.898		-5.7	30
m,p-Xylene(sim)		2.253	2.357		-4.6	30
1,1,2,2-Tetrachloroethane(sim)		2.114	2.094		0.9	30
Benzyl chloride(sim)	q	1.000	0.73		27.0 #	20
1,3-Dichlorobenzene(sim)	q	1.000	0.88		12.0	20
1,4-Dichlorobenzene(sim)	q	1.000	0.85		15.0	20
sec-Butylbenzene(sim)		4.031	4.919		-22.0	30
4-Isopropyltoluene(sim)		3.668	3.987		-8.7	30
1,2-Dichlorobenzene(sim)		1.904	1.897		0.4	30
n-Butylbenzene(sim)	q	1.000	0.94		6.0	20
1,2,4-Trichlorobenzene(sim)	q	1.000	0.59		41.0 #	20
Hexachlorobutadiene(sim)		2.065	1.692		18.1	30
% Bromofluorobenzene		1.247	1.290		-3.4	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_25.D
Acq On : 18 Dec 2025 9:40 am
Operator : Keith
Client ID : CCCAL 1
Lab ID : 1ppb ccal; TO1516P
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 10:35:55 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%
1	Int	Bromochloromethane	1.000	1.000	0.0	83
2		Propylene	0.697	0.653	6.3	
3		Dichlorodifluoromethane	2.674	2.709	-1.3	
4		Chloromethane	0.821	0.812	1.1	
5		1,2-Dichlorotetrafluoroetha	2.853	2.720	4.7	
6		Vinyl Chloride	1.009	0.933	7.5	
7		1,3-Butadiene	0.691	0.624	9.7	
8		Bromomethane	1.121	1.109	1.1	
9		Chloroethane	0.477	0.448	6.1	
11		Ethanol	0.289	0.256	11.4	
12		Acetone	1.389	1.282	7.7	
13		Trichlorofluoromethane	2.812	2.703	3.9	
14		Isopropylalcohol	1.649	1.525	7.5	
15		Acrylonitrile	0.581	0.565	2.8	
16		1,1-Dichloroethene	1.631	1.549	5.0	
17		Methylene Chloride	1.198	1.149	4.1	
20		Carbon Disulfide	3.170	3.026	4.5	
21		Trichlorotrifluoroethane	2.475	2.399	3.1	
22		Trans-1,2-Dichloroethene	1.472	1.431	2.8	
23		1,1-Dichloroethane	1.949	1.837	5.7	
24		Methyl tert-butyl ether(MTB	2.753	2.546	7.5	
25		Methyl Ethyl Ketone	1.888	1.733	8.2	
26		Cis-1,2-Dichloroethene	1.435	1.343	6.4	
27		Hexane	1.487	1.369	7.9	
28		Chloroform	2.434	2.343	3.7	
29		Ethyl acetate	0.358	0.330	7.8	
30		Tetrahydrofuran	0.940	0.821	12.7	
31		1,2-Dichloroethane	1.362	1.326	2.6	
32		1,1,1-Trichloroethane	2.381	2.263	5.0	
33		Benzene	3.336	3.184	4.6	
34		Carbon Tetrachloride	2.481	2.333	6.0	
35		Cyclohexane	1.437	1.359	5.4	
36	Int	1,4-Difluorobenzene	1.000	1.000	0.0	83
37		1,2-dichloropropane	0.341	0.328	3.8	
38		Bromodichloromethane	0.734	0.697	5.0	
39		Trichloroethene	0.480	0.454	5.4	
40		2,2,4-trimethylpentane	1.372	1.327	3.3	
41		1,4-Dioxane	0.196	0.185	5.6	
43		Heptane	0.473	0.439	7.2	
44		cis-1,3-Dichloropropene	0.657	0.618	5.9	
45		4-Methyl-2-pentanone(MIBK)	0.674	0.633	6.1	
46		trans-1,3-Dichloropropene	0.445	0.403	9.4	
47		1,1,2-Trichloroethane	0.413	0.408	1.2	
48		Toluene	1.097	1.040	5.2	
49		Dibromochloromethane	0.806	0.775	3.8	
50	qf	2-Hexanone(MBK)	1.000	0.708	29.2	
51		1,2-Dibromoethane(EDB)	0.701	0.663	5.4	
52		Tetrachloroethene	0.631	0.619	1.9	
53	Int	Chlorobenzene-d5	1.000	1.000	0.0	81

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_25.D
Acq On : 18 Dec 2025 9:40 am
Operator : Keith
Client ID : CCCAL 1
Lab ID : 1ppb ccal; TO1516P
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 10:35:55 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	
54		1,1,1,2-Tetrachloroethane	1.161	1.201	-3.4		
55		Chlorobenzene	1.987	2.061	-3.7		
56		Ethylbenzene	2.889	2.913	-0.8		
57		m,p-Xylene	2.160	1.856	14.1		
58		Bromoform	1.736	1.769	-1.9		
59		Styrene	1.632	1.541	5.6		
60		1,1,2,2-Tetrachloroethane	1.952	1.925	1.4		
61		o-Xylene	2.339	2.416	-3.3		
62	Surr	% Bromofluorobenzene	1.247	1.290	-3.4		
64		Isopropylbenzene	3.309	3.554	-7.4		
66		4-Ethyltoluene	3.220	3.016	6.3		
67		1,3,5-Trimethylbenzene	2.648	2.846	-7.5		
68		1,2,4-Trimethylbenzene	2.679	2.584	3.5		
70		Benzyl chloride	1.799	1.247	30.7#		
71		1,3-Dichlorobenzene	1.905	1.690	11.3		
72		1,4-Dichlorobenzene	1.775	1.507	15.1		
73		sec-Butylbenzene	4.060	4.390	-8.1		
74		4-Isopropyltoluene	3.692	3.987	-8.0		
75		1,2-Dichlorobenzene	1.871	1.669	10.8		
76		n-Butylbenzene	2.983	2.864	4.0		
77	qf	1,2,4-Trichlorobenzene	1.000	0.377	62.3#		
78	qf	Naphthalene	1.000	0.375	62.5#		
79		Hexachlorobutadiene	1.634	1.435	12.2		
80	int	Bromochloromethane(sim)	1.000	1.000	0.0		84
81		1,2-Dichlorotetrafluoroetha	2.567	2.432	5.3		
82		Vinyl Chloride(sim)	0.974	0.904	7.2		
83		Bromomethane(sim)	1.071	0.991	7.5		
84		Trichlorofluoromethane(sim)	2.773	2.673	3.6		
85		1,2-Dichloroethane(sim)	1.274	1.186	6.9		
86		1,1,1-Trichloroethane(sim)	2.318	2.245	3.1		
87		Benzene(sim)	3.127	2.847	9.0		
88		Carbon Tetrachloride(sim)	2.290	2.360	-3.1		
89		1,1-Dichloroethene(sim)	1.507	1.385	8.1		
90		Trichlorotrifluoroethane(si	2.412	2.391	0.9		
91		Trans-1,2-Dichloroethene(si	1.304	1.279	1.9		
92		1,1-Dichloroethane(sim)	1.879	1.807	3.8		
93		Cis-1,2-Dichloroethene(sim)	1.318	1.201	8.9		
94		Chloroform(sim)	2.557	2.267	11.3		
95	int	1,4-Difluorobenzene(sim)	1.000	1.000	0.0		83
96		1,2-dichloropropane(sim)	0.380	0.354	6.8		
97		Bromodichloromethane(sim)	0.730	0.697	4.5		
98		Trichloroethene(sim)	0.616	0.515	16.4		
99		1,4-Dioxane(sim)	0.184	0.185	-0.5		
100		cis-1,3-Dichloropropene(sim	0.617	0.609	1.3		
101		1,1,2-Trichloroethane(sim)	0.420	0.408	2.9		
102		Dibromochloromethane(sim)	0.830	0.846	-1.9		
103		1,2-Dibromoethane(EDB)(sim)	0.673	0.663	1.5		
104		Tetrachloroethene(sim)	0.742	0.687	7.4		

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_25.D
Acq On : 18 Dec 2025 9:40 am
Operator : Keith
Client ID : CCCAL 1
Lab ID : 1ppb ccal; TO1516P
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 10:35:55 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	
105	int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	81	
106		Bromoform(sim)	1.796	1.898	-5.7		
107		m,p-Xylene(sim)	2.253	2.357	-4.6		
108		1,1,2,2-Tetrachloroethane(s	2.114	2.094	0.9		
109	qf	Benzyl chloride(sim)	1.000	0.731	26.9		
110	qf	1,3-Dichlorobenzene(sim)	1.000	0.885	11.5		
111	qf	1,4-Dichlorobenzene(sim)	1.000	0.849	15.1		
112		sec-Butylbenzene(sim)	4.031	4.919	-22.0		
113		4-Isopropyltoluene(sim)	3.668	3.987	-8.7		
114		1,2-Dichlorobenzene(sim)	1.904	1.897	0.4		
115	qf	n-Butylbenzene(sim)	1.000	0.942	5.8		
116	qf	1,2,4-Trichlorobenzene(sim)	1.000	0.586	41.4		
118		Hexachlorobutadiene(sim)	2.065	1.692	18.1		

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
Laboratory Warning Limits Out = 0

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_25.D
Acq On : 18 Dec 2025 9:40 am
Operator : Keith
Client ID : CCCAL 1
Lab ID : 1ppb ccal; TO1516P
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 10:35:55 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	168298	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	601567	10.000	ng		0.00
53) Chlorobenzene-d5	11.044	82	272219	10.000	ng		0.00
80) Bromochloromethane(sim)	7.401	130	188202	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	601567	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.044	82	272219	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	351072	10.341	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.40%				
Target Compounds							Qvalue
2) Propylene	3.979	41	10997	0.937	ppbv		97
3) Dichlorodifluoromethane	4.045	85	45590	1.013	ppbv#		96
4) Chloromethane	4.195	50	13673	0.990	ppbv		100
5) 1,2-Dichlorotetrafluor...	4.286	85	45773	0.953	ppbv		85
6) Vinyl Chloride	4.394	62	15694	0.924	ppbv		94
7) 1,3-Butadiene	4.518	54	10507	0.904	ppbv		97
8) Bromomethane	4.742	94	18656	0.989	ppbv#		95
9) Chloroethane	4.883	64	7539	0.939	ppbv		87
11) Ethanol	4.966	45	4315	0.886	ppbv#		89
12) Acetone	5.337	43	21571	0.923	ppbv		93
13) Trichlorofluoromethane	5.466	101	45491	0.961	ppbv		98
14) Isopropylalcohol	5.509	45	25662	0.925	ppbv#		92
15) Acrylonitrile	5.662	53	9512	0.972	ppbv#		91
16) 1,1-Dichloroethene	5.920	61	26062	0.950	ppbv#		83
17) Methylene Chloride	5.997	49	19344	0.959	ppbv#		60
20) Carbon Disulfide	6.230	76	50919	0.954	ppbv		99
21) Trichlorotrifluoroethane	6.170	101	40378	0.969	ppbv		90
22) Trans-1,2-Dichloroethene	6.627	61	24078	0.972	ppbv#		79
23) 1,1-Dichloroethane	6.757	63	30922	0.943	ppbv		96
24) Methyl tert-butyl ethe...	6.789	73	42851	0.925	ppbv#		82
25) Methyl Ethyl Ketone	6.992	43	29171	0.918	ppbv#		83
26) Cis-1,2-Dichloroethene	7.284	61	22595	0.936	ppbv#		78
27) Hexane	7.406	57	23037	0.921	ppbv#		90
28) Chloroform	7.471	83	39438	0.963	ppbv		95
29) Ethyl acetate	7.398	61	5561	0.923	ppbv#		63
30) Tetrahydrofuran	7.730	42	13821	0.874	ppbv#		62
31) 1,2-Dichloroethane	7.941	62	22324	0.974	ppbv		94
32) 1,1,1-Trichloroethane	8.103	97	38090	0.951	ppbv		95
33) Benzene	8.383	78	53583	0.954	ppbv#		91
34) Carbon Tetrachloride	8.478	117	39257	0.940	ppbv		99
35) Cyclohexane	8.556	84	22875	0.946	ppbv#		68
37) 1,2-dichloropropane	8.868	63	19741	0.962	ppbv#		82
38) Bromodichloromethane	8.980	83	41917	0.949	ppbv		97
39) Trichloroethene	8.998	130	27300	0.946	ppbv		96
40) 2,2,4-trimethylpentane	9.006	57	79842	0.967	ppbv		94
41) 1,4-Dioxane	8.998	88	11142	0.945	ppbv#		79
43) Heptane	9.136	43	26421	0.928	ppbv#		80
44) cis-1,3-Dichloropropene	9.486	75	37189	0.941	ppbv		99
45) 4-Methyl-2-pentanone(M...	9.493	43	38077	0.939	ppbv#		86
46) trans-1,3-Dichloropropene	9.774	75	24214	0.905	ppbv		97
47) 1,1,2-Trichloroethane	9.887	97	24557	0.989	ppbv		97
48) Toluene	10.056	91	62539	0.948	ppbv		99

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_25.D
Acq On : 18 Dec 2025 9:40 am
Operator : Keith
Client ID : CCCAL 1
Lab ID : 1ppb ccal; TO1516P
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 10:35:55 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.302	129	46628	0.962	ppbv	100
50)	2-Hexanone(MBK)	10.169	43	24977	0.708	ppbv#	98
51)	1,2-Dibromoethane(EDB)	10.450	107	39893	0.946	ppbv	99
52)	Tetrachloroethene	10.696	166	37238	0.981	ppbv	93
54)	1,1,1,2-Tetrachloroethane	11.059	131	32705	1.035	ppbv	99
55)	Chlorobenzene	11.074	112	56109	1.037	ppbv	96
56)	Ethylbenzene	11.263	91	79298	1.008	ppbv	97
57)	m,p-Xylene	11.354	91	126312	2.149	ppbv	99
58)	Bromoform	11.438	173	48150	1.019	ppbv	98
59)	Styrene	11.567	104	41943	0.944	ppbv#	93
60)	1,1,2,2-Tetrachloroethane	11.620	83	52399	0.986	ppbv	93
61)	o-Xylene	11.627	91	65761	1.033	ppbv	98
64)	Isopropylbenzene	11.946	105	96737	1.074	ppbv	98
66)	4-Ethyltoluene	12.320	105	82097	0.937	ppbv	97
67)	1,3,5-Trimethylbenzene	12.359	105	77487	1.075	ppbv	93
68)	1,2,4-Trimethylbenzene	12.608	105	70337	0.964	ppbv	97
70)	Benzyl chloride	12.709	91	33948	0.693	ppbv	97
71)	1,3-Dichlorobenzene	12.724	146	46005	0.887	ppbv	99
72)	1,4-Dichlorobenzene	12.763	146	41024	0.849	ppbv	96
73)	sec-Butylbenzene	12.771	105	119507	1.081	ppbv	99
74)	4-Isopropyltoluene	12.864	119	108542	1.080	ppbv	99
75)	1,2-Dichlorobenzene	12.981	146	45446	0.892	ppbv	98
76)	n-Butylbenzene	13.129	91	77975	0.960	ppbv	93
77)	1,2,4-Trichlorobenzene	14.170	180	13277	0.377	ppbv#	92
78)	Naphthalene	14.271	128	33690	0.375	ppbv#	97
79)	Hexachlorobutadiene	14.512	225	39069	0.878	ppbv	99
81]	1,2-Dichlorotetrafluor...	4.286	85	45770	0.947	ppbv	85
82]	Vinyl Chloride(sim)	4.397	62	17006	0.928	ppbv	96
83]	Bromomethane(sim)	4.742	94	18656	0.926	ppbv#	95
84]	Trichlorofluoromethane...	5.469	101	50315	0.964	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.941	62	22324	0.931	ppbv	94
86]	1,1,1-Trichloroethane(...	8.106	97	42250	0.968	ppbv#	95
87]	Benzene(sim)	8.383	78	53583	0.910	ppbv#	91
88]	Carbon Tetrachloride(sim)	8.481	117	44417	1.030	ppbv	98
89]	1,1-Dichloroethene(sim)	5.920	61	26062	0.919	ppbv#	83
90]	Trichlorotrifluoroetha...	6.173	101	45001	0.991	ppbv#	94
91]	Trans-1,2-Dichloroethe...	6.627	61	24078	0.981	ppbv#	79
92]	1,1-Dichloroethane(sim)	6.752	63	33999	0.961	ppbv	95
93]	Cis-1,2-Dichloroethene...	7.284	61	22595	0.911	ppbv#	78
94]	Chloroform(sim)	7.474	83	42669	0.887	ppbv#	95
96]	1,2-dichloropropane(sim)	8.862	63	21304	0.931	ppbv#	85
97]	Bromodichloromethane(sim)	8.980	83	41917	0.955	ppbv	98
98]	Trichloroethene(sim)	9.000	130	30952	0.836	ppbv	99
99]	1,4-Dioxane(sim)	8.998	88	11142	1.009	ppbv#	79
100]	cis-1,3-Dichloropropen...	9.489	75	36659	0.987	ppbv	98
101]	1,1,2-Trichloroethane(...	9.887	97	24557	0.973	ppbv	97
102]	Dibromochloromethane(sim)	10.305	129	50877	1.019	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.450	107	39893	0.986	ppbv	99
104]	Tetrachloroethene(sim)	10.692	166	41313	0.925	ppbv	95
106]	Bromoform(sim)	11.441	173	51674	1.057	ppbv	100
107]	m,p-Xylene(sim)	11.354	91	128337	2.092	ppbv	98
108]	1,1,2,2-Tetrachloroeth...	11.623	83	56991	0.990	ppbv	99
109]	Benzyl chloride(sim)	12.709	91	33948	0.731	ppbv	97
110]	1,3-Dichlorobenzene(sim)	12.727	146	55563	0.885	ppbv	97
111]	1,4-Dichlorobenzene(sim)	12.763	146	41024	0.849	ppbv	96

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_25.D
Acq On : 18 Dec 2025 9:40 am
Operator : Keith
Client ID : CCCAL 1
Lab ID : 1ppb ccal; TO1516P
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 10:35:55 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

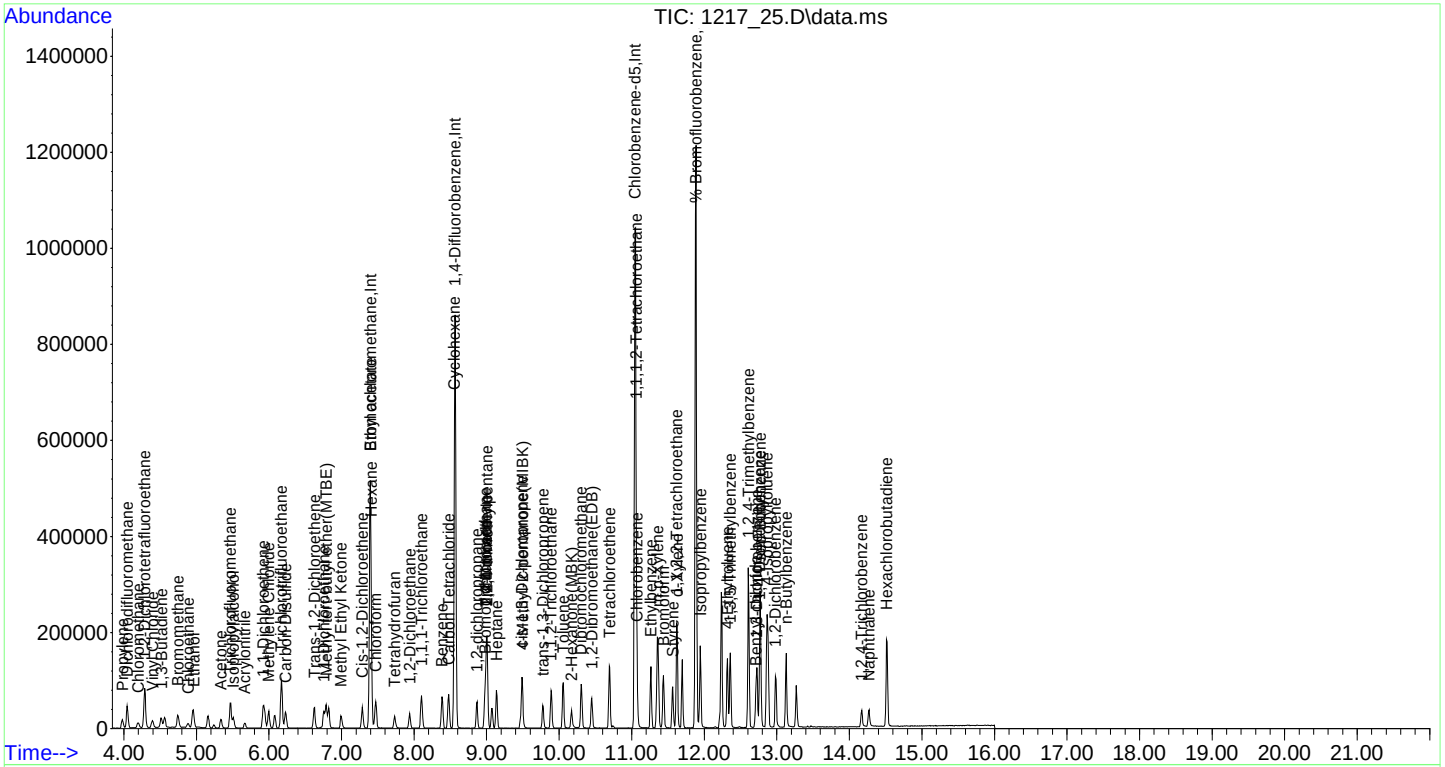
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	133911	1.220	ppbv	99
113] 4-Isopropyltoluene(sim)	12.864	119	108542	1.087	ppbv	99
114] 1,2-Dichlorobenzene(sim)	12.984	146	51628	0.996	ppbv	99
115] n-Butylbenzene(sim)	13.129	91	77975	0.942	ppbv	93
116] 1,2,4-Trichlorobenzene...	14.166	180	15234	0.586	ppbv	99
118] Hexachlorobutadiene(sim)	14.515	225	46048	0.819	ppbv	98

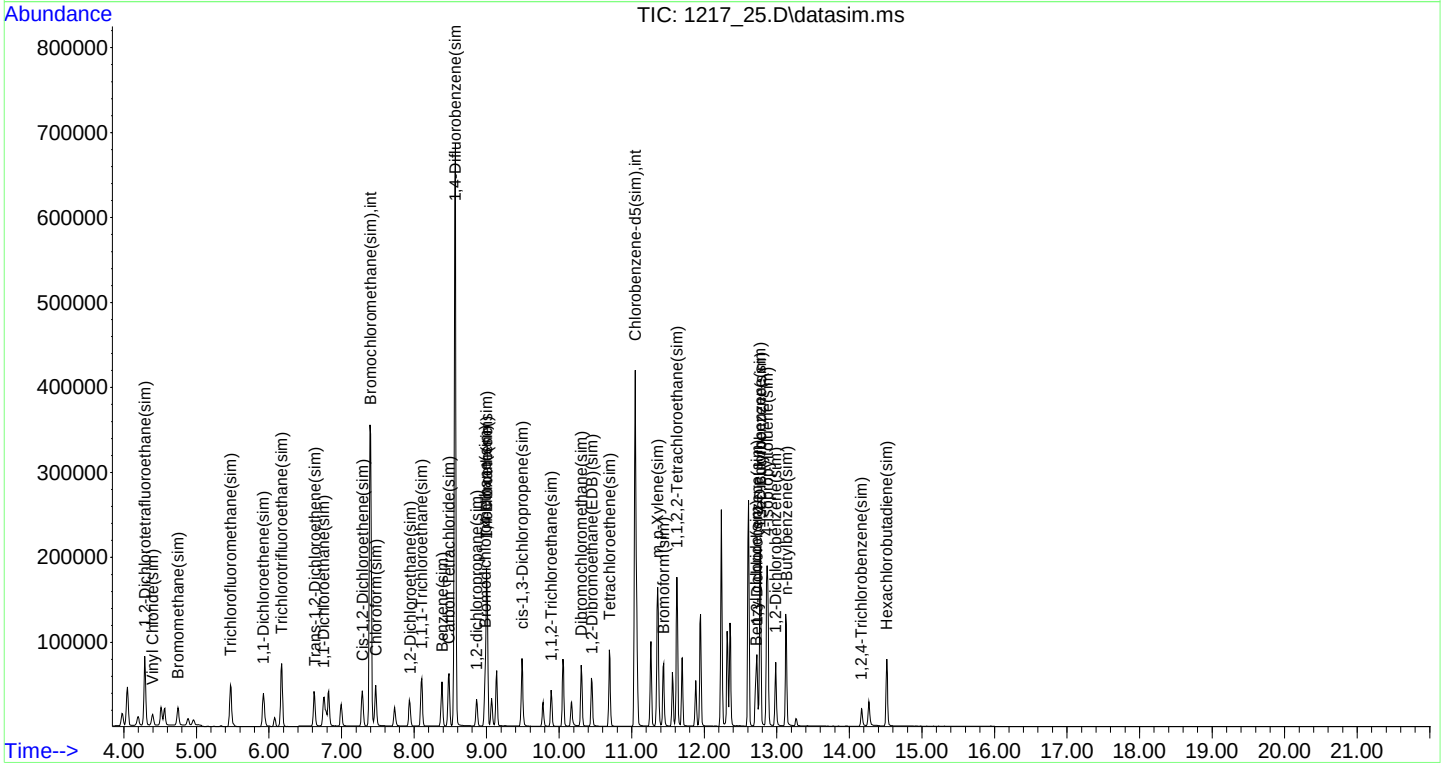
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_25.D
Acq On : 18 Dec 2025 9:40 am
Operator : Keith
Client ID : CCCAL 1
Lab ID : 1ppb ccal; TO1516P
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 10:35:55 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration





1

AIR ANALYSIS DATA SHEET

CLIENT ID: CU98036 LCS

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CU98036 LCS

Canister: LCS Lab File ID: 1217_04.D

Instrument: CHEM24 Column: RTX-1 Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	9.87		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	10.8		0.202	0.202	r
74-87-3	Chloromethane	9.86		0.485	0.485	r
76-14-2	1,2-Dichlorotetrafluoroethane	10.3		0.143	0.143	r
75-01-4	Vinyl Chloride	9.65		0.078	0.078	r
106-99-0	1,3-Butadiene	9.66		0.452	0.452	r
74-83-9	Bromomethane	9.89		0.258	0.258	r
75-00-3	Chloroethane	9.49		0.379	0.379	r
64-17-5	Ethanol	9.29		0.531	0.531	r
67-64-1	Acetone	9.80		0.421	0.421	r
75-69-4	Trichlorofluoromethane	10.2		0.178	0.178	r
67-63-0	Isopropylalcohol	10.4		0.407	0.407	r
107-13-1	Acrylonitrile	13.3		0.461	0.461	r
75-35-4	1,1-Dichloroethene	10.3		0.051	0.051	r
75-09-2	Methylene Chloride	9.64		0.863	0.863	r
75-15-0	Carbon Disulfide	10.4		0.321	0.321	r
76-13-1	Trichlorotrifluoroethane	10.3		0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene	10.7		0.252	0.252	r
75-34-3	1,1-Dichloroethane	10.0		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	10.8		0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	10.3		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	10.2		0.051	0.051	r
110-54-3	Hexane	10.6		0.284	0.284	r
67-66-3	Chloroform	10.1		0.205	0.205	r
141-78-6	Ethyl acetate	11.2		0.278	0.278	r
109-99-9	Tetrahydrofuran	10.1		0.339	0.339	r
107-06-2	1,2-Dichloroethane	10.5		0.247	0.247	r
71-55-6	1,1,1-Trichloroethane	10.4		0.183	0.183	r
71-43-2	Benzene	10.5		0.313	0.313	r
56-23-5	Carbon Tetrachloride	10.5		0.032	0.032	r
110-82-7	Cyclohexane	9.95		0.291	0.291	r
78-87-5	1,2-dichloropropane	10.6		0.217	0.217	r
75-27-4	Bromodichloromethane	10.5		0.149	0.149	r
79-01-6	Trichloroethene	10.8		0.037	0.037	r
540-84-1	2,2,4-trimethylpentane	10.6		0.215	0.215	r
123-91-1	1,4-Dioxane	11.4		0.278	0.278	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

CLIENT ID

AIR ANALYSIS DATA SHEET

CU98036 LCS

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CU98036 LCS

Canister: LCS Lab File ID: 1217_04.D

Instrument: CHEM24 Column: RTX-1 Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
142-82-5	Heptane	10.7		0.244	0.244	r
10061-01-5	cis-1,3-Dichloropropene	10.6		0.220	0.220	r
108-10-1	4-Methyl-2-pentanone(MIBK)	10.8		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	11.0		0.220	0.220	r
79-00-5	1,1,2-Trichloroethane	11.1		0.183	0.183	r
108-88-3	Toluene	11.3		0.266	0.266	r
124-48-1	Dibromochloromethane	11.0		0.117	0.117	r
591-78-6	2-Hexanone(MBK)	10.3		0.244	0.244	r
106-93-4	1,2-Dibromoethane(EDB)	11.1		0.130	0.130	r
127-18-4	Tetrachloroethene	11.1		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	10.5		0.146	0.146	r
108-90-7	Chlorobenzene	11.1		0.217	0.217	r
100-41-4	Ethylbenzene	11.8		0.230	0.230	r
179601-23-1	m,p-Xylene	24.8		0.230	0.230	r
75-25-2	Bromoform	11.7		0.097	0.097	r
100-42-5	Styrene	12.3		0.235	0.235	r
79-34-5	1,1,2,2-Tetrachloroethane	11.5		0.146	0.146	r
95-47-6	o-Xylene	11.8		0.230	0.230	r
98-82-8	Isopropylbenzene	11.5		0.204	0.204	r
622-96-8	4-Ethyltoluene	12.2		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	12.4		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	12.3		0.204	0.204	r
100-44-7	Benzyl chloride	15.1		0.193	0.193	r
541-73-1	1,3-Dichlorobenzene	12.8		0.166	0.166	r
106-46-7	1,4-Dichlorobenzene	12.8		0.166	0.166	r
135-98-8	sec-Butylbenzene	11.9		0.182	0.182	r
99-87-6	4-Isopropyltoluene	11.8		0.182	0.182	r
95-50-1	1,2-Dichlorobenzene	12.2		0.166	0.166	r
104-51-8	n-Butylbenzene	12.4		0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene	10.9		0.135	0.135	r
91-20-3	Naphthalene	10.5		0.200	0.200	r
87-68-3	Hexachlorobutadiene	11.7		0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_04.D
Acq On : 17 Dec 2025 3:09 pm
Operator : Keith
Client ID : CU98036 LCS
Lab ID : CU98036 LCS
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 08:06:09 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	171031	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	607391	10.000	ng		0.00
53) Chlorobenzene-d5	11.043	82	288617	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	188393	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	607391	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.043	82	288617	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	368836	10.247	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.50%				
Target Compounds							Qvalue
2) Propylene	3.979	41	117686	9.866	ppbv		99
3) Dichlorodifluoromethane	4.045	85	493209	10.784	ppbv#		95
4) Chloromethane	4.194	50	138389	9.856	ppbv		99
5) 1,2-Dichlorotetrafluor...	4.286	85	500096	10.249	ppbv#		84
6) Vinyl Chloride	4.393	62	166470	9.649	ppbv		98
7) 1,3-Butadiene	4.510	54	114041	9.656	ppbv		93
8) Bromomethane	4.742	94	189648	9.891	ppbv#		96
9) Chloroethane	4.883	64	77432	9.492	ppbv		87
11) Ethanol	4.957	45	45983	9.289	ppbv		95
12) Acetone	5.325	43	232929	9.803	ppbv		93
13) Trichlorofluoromethane	5.466	101	491920	10.228	ppbv		98
14) Isopropylalcohol	5.497	45	292569	10.372	ppbv#		97
15) Acrylonitrile	5.662	53	132134	13.293	ppbv		93
16) 1,1-Dichloroethene	5.920	61	287480	10.308	ppbv#		83
17) Methylene Chloride	5.997	49	197591	9.641	ppbv#		63
20) Carbon Disulfide	6.230	76	563067	10.385	ppbv		100
21) Trichlorotrifluoroethane	6.170	101	435451	10.286	ppbv		89
22) Trans-1,2-Dichloroethene	6.619	61	268564	10.667	ppbv#		79
23) 1,1-Dichloroethane	6.757	63	333220	9.995	ppbv		96
24) Methyl tert-butyl ethe...	6.773	73	507795	10.785	ppbv#		79
25) Methyl Ethyl Ketone	6.984	43	332512	10.300	ppbv#		82
26) Cis-1,2-Dichloroethene	7.284	61	250926	10.227	ppbv#		78
27) Hexane	7.406	57	268296	10.552	ppbv#		88
28) Chloroform	7.471	83	418374	10.050	ppbv		95
29) Ethyl acetate	7.389	61	68802	11.243	ppbv#		62
30) Tetrahydrofuran	7.722	42	162850	10.131	ppbv#		63
31) 1,2-Dichloroethane	7.941	62	245331	10.531	ppbv		93
32) 1,1,1-Trichloroethane	8.103	97	424802	10.433	ppbv		94
33) Benzene	8.383	78	596754	10.459	ppbv#		91
34) Carbon Tetrachloride	8.478	117	445366	10.496	ppbv		99
35) Cyclohexane	8.556	84	244632	9.953	ppbv#		63
37) 1,2-dichloropropane	8.868	63	218535	10.550	ppbv#		81
38) Bromodichloromethane	8.980	83	470091	10.542	ppbv		97
39) Trichloroethene	8.997	130	313872	10.774	ppbv		98
40) 2,2,4-trimethylpentane	9.006	57	884726	10.617	ppbv		93
41) 1,4-Dioxane	8.980	88	135037	11.346	ppbv#		76
43) Heptane	9.136	43	307699	10.704	ppbv#		79
44) cis-1,3-Dichloropropene	9.486	75	424731	10.640	ppbv		98
45) 4-Methyl-2-pentanone(M...	9.486	43	443410	10.829	ppbv#		84
46) trans-1,3-Dichloropropene	9.774	75	297087	10.997	ppbv		97
47) 1,1,2-Trichloroethane	9.887	97	277988	11.090	ppbv		99
48) Toluene	10.056	91	755311	11.337	ppbv		98

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_04.D
Acq On : 17 Dec 2025 3:09 pm
Operator : Keith
Client ID : CU98036 LCS
Lab ID : CU98036 LCS
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 08:06:09 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.302	129	538880	11.009	ppbv	98
50)	2-Hexanone(MBK)	10.161	43	375099	10.282	ppbv#	91
51)	1,2-Dibromoethane(EDB)	10.443	107	474245	11.138	ppbv	98
52)	Tetrachloroethene	10.696	166	425155	11.098	ppbv	94
54)	1,1,1,2-Tetrachloroethane	11.058	131	350281	10.457	ppbv	99
55)	Chlorobenzene	11.074	112	634973	11.071	ppbv	97
56)	Ethylbenzene	11.263	91	987312	11.843	ppbv	96
57)	m,p-Xylene	11.354	91	1546619	24.813	ppbv	96
58)	Bromoform	11.438	173	588317	11.739	ppbv	99
59)	Styrene	11.559	104	579974	12.310	ppbv#	93
60)	1,1,2,2-Tetrachloroethane	11.620	83	646399	11.474	ppbv	92
61)	o-Xylene	11.627	91	796079	11.795	ppbv	96
64)	Isopropylbenzene	11.946	105	1093006	11.446	ppbv	100
66)	4-Ethyltoluene	12.320	105	1137714	12.242	ppbv	100
67)	1,3,5-Trimethylbenzene	12.359	105	944063	12.352	ppbv	95
68)	1,2,4-Trimethylbenzene	12.608	105	954130	12.340	ppbv	99
70)	Benzyl chloride	12.709	91	783170	15.080	ppbv#	97
71)	1,3-Dichlorobenzene	12.724	146	703732	12.802	ppbv	98
72)	1,4-Dichlorobenzene	12.763	146	657952	12.843	ppbv	97
73)	sec-Butylbenzene	12.771	105	1396412	11.916	ppbv	99
74)	4-Isopropyltoluene	12.864	119	1261997	11.842	ppbv	100
75)	1,2-Dichlorobenzene	12.981	146	660423	12.231	ppbv	97
76)	n-Butylbenzene	13.128	91	1070281	12.432	ppbv	94
77)	1,2,4-Trichlorobenzene	14.170	180	420806	10.869	ppbv	95
78)	Naphthalene	14.264	128	961554	10.462	ppbv#	99
79)	Hexachlorobutadiene	14.520	225	549459	11.649	ppbv	98
81]	1,2-Dichlorotetrafluor...	4.286	85	499072	10.318	ppbv#	84
82]	Vinyl Chloride(sim)	4.396	62	187612	10.227	ppbv	98
83]	Bromomethane(sim)	4.742	94	189648	9.403	ppbv#	96
84]	Trichlorofluoromethane...	5.469	101	562240	10.762	ppbv#	98
85]	1,2-Dichloroethane(sim)	7.941	62	245331	10.225	ppbv	93
86]	1,1,1-Trichloroethane(...	8.106	97	482609	11.049	ppbv#	94
87]	Benzene(sim)	8.383	78	596832	10.130	ppbv#	91
88]	Carbon Tetrachloride(sim)	8.481	117	505359	11.712	ppbv	99
89]	1,1-Dichloroethene(sim)	5.920	61	287480	10.129	ppbv#	83
90]	Trichlorotrifluoroetha...	6.173	101	488489	10.749	ppbv#	94
91]	Trans-1,2-Dichloroethe...	6.619	61	268564	10.929	ppbv#	79
92]	1,1-Dichloroethane(sim)	6.752	63	379188	10.710	ppbv	96
93]	Cis-1,2-Dichloroethene...	7.284	61	250926	10.107	ppbv#	78
94]	Chloroform(sim)	7.473	83	474531	9.852	ppbv#	94
96]	1,2-dichloropropane(sim)	8.862	63	245048	10.607	ppbv#	84
97]	Bromodichloromethane(sim)	8.980	83	470091	10.605	ppbv	99
98]	Trichloroethene(sim)	9.000	130	353663	9.460	ppbv	99
99]	1,4-Dioxane(sim)	8.980	88	135037	12.106	ppbv#	76
100]	cis-1,3-Dichloropropen...	9.481	75	462098	12.328	ppbv	96
101]	1,1,2-Trichloroethane(...	9.887	97	277988	10.908	ppbv	99
102]	Dibromochloromethane(sim)	10.305	129	612534	12.150	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.443	107	474245	11.609	ppbv	98
104]	Tetrachloroethene(sim)	10.692	166	491912	10.913	ppbv	93
106]	Bromoform(sim)	11.441	173	656584	12.668	ppbv	100
107]	m,p-Xylene(sim)	11.354	91	1552350	23.871	ppbv	96
108]	1,1,2,2-Tetrachloroeth...	11.623	83	712028	11.669	ppbv	99
109]	Benzyl chloride(sim)	12.709	91	783170	11.744	ppbv	97
110]	1,3-Dichlorobenzene(sim)	12.727	146	801327	9.578	ppbv	95
111]	1,4-Dichlorobenzene(sim)	12.763	146	657952	10.298	ppbv	97

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_04.D
Acq On : 17 Dec 2025 3:09 pm
Operator : Keith
Client ID : CU98036 LCS
Lab ID : CU98036 LCS
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 08:06:09 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

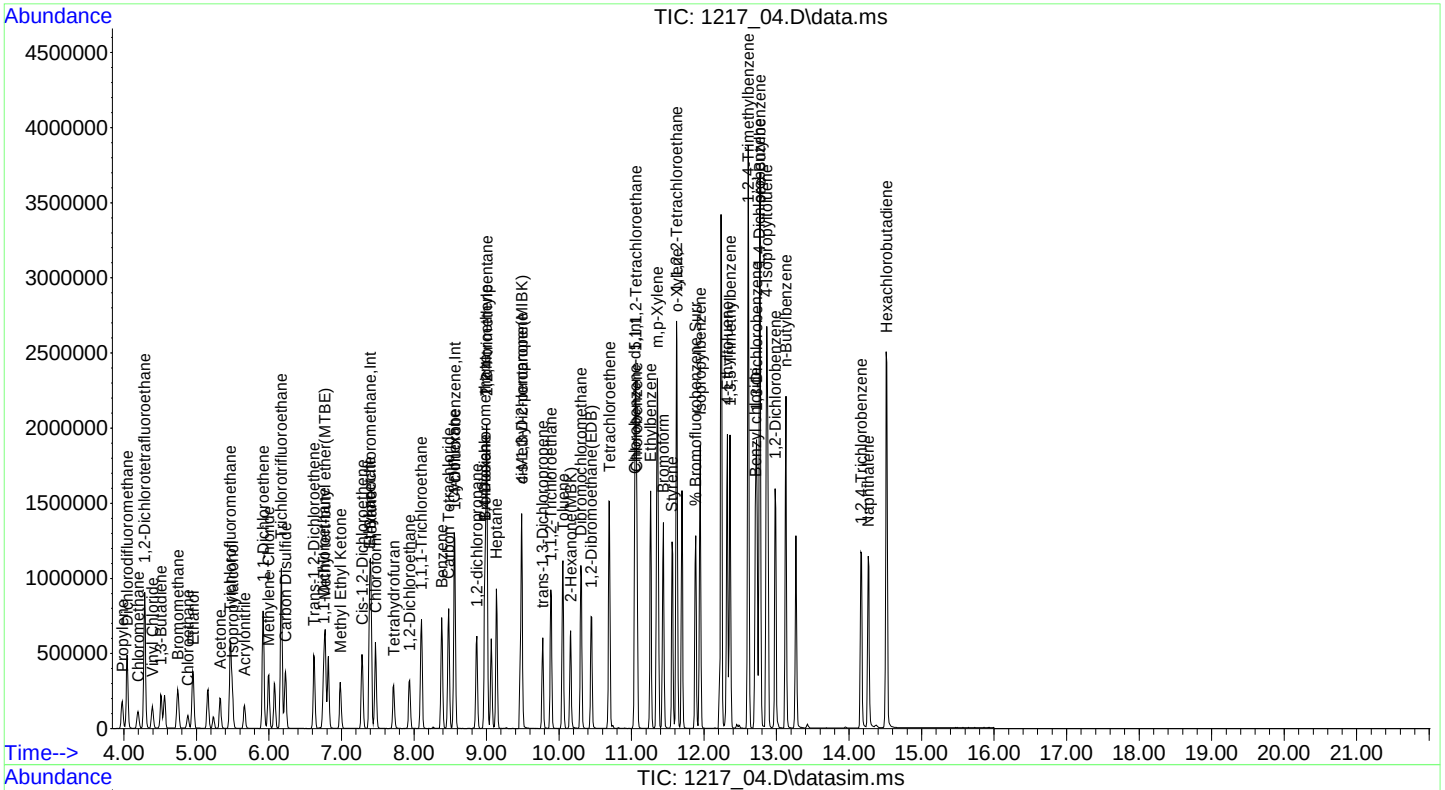
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.774	105	1564791	13.449	ppbv	100
113] 4-Isopropyltoluene(sim)	12.864	119	1263310	11.933	ppbv	100
114] 1,2-Dichlorobenzene(sim)	12.984	146	784467	14.274	ppbv	98
115] n-Butylbenzene(sim)	13.128	91	1070281	10.049	ppbv	94
116] 1,2,4-Trichlorobenzene...	14.165	180	503632	2.876	ppbv	98
118] Hexachlorobutadiene(sim)	14.515	225	647390	10.863	ppbv	98

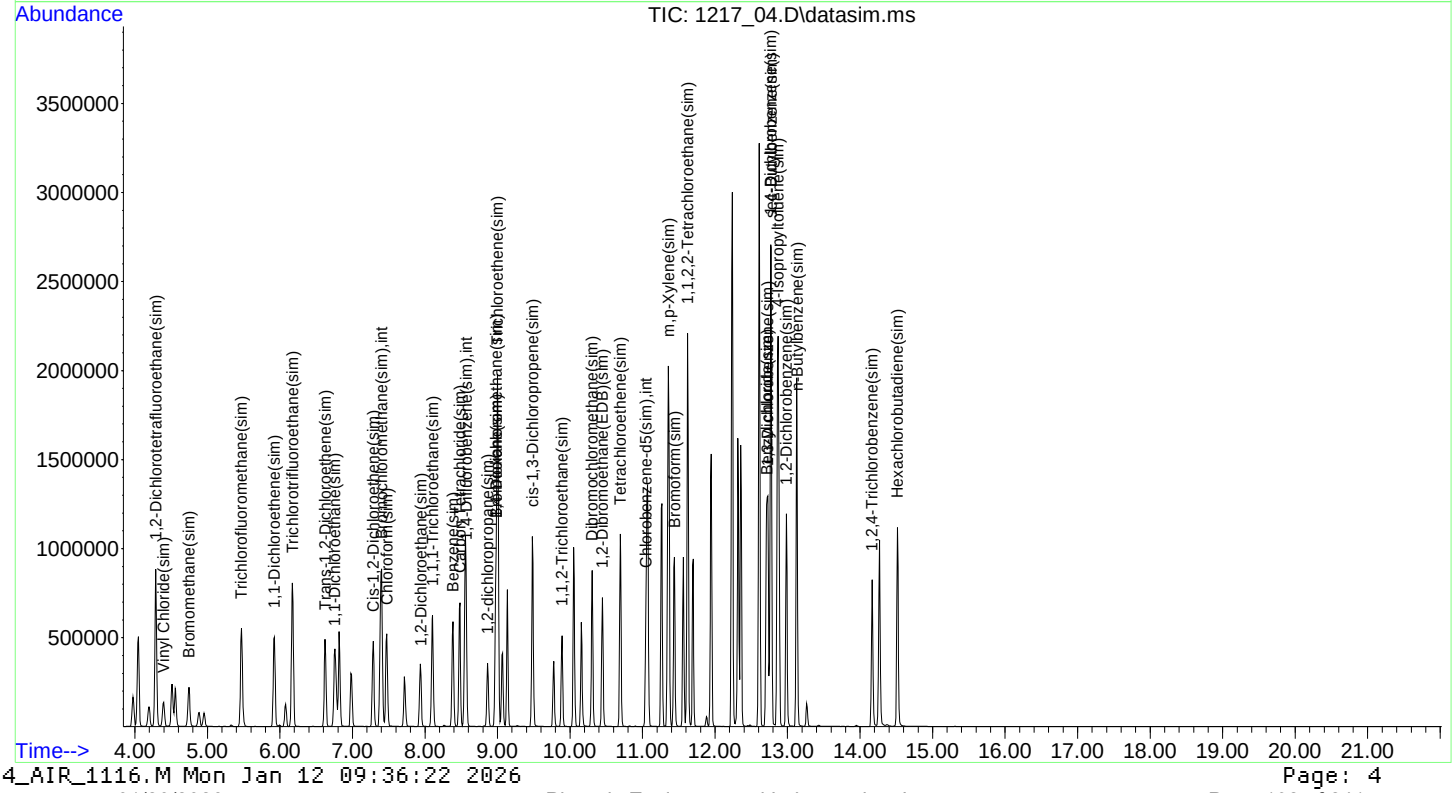
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_04.D
Acq On : 17 Dec 2025 3:09 pm
Operator : Keith
Client ID : CU98036 LCS
Lab ID : CU98036 LCS
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 08:06:09 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration





CLIENT ID

AIR ANALYSIS DATA SHEET

CU98036 QC 0.5 X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CU98036 0.5X

Canister: 28569 Lab File ID: 1217_13.D

Instrument: CHEM24 Column: RTX-1 Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 0.5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.250	U	0.250	0.250	r
75-71-8	Dichlorodifluoromethane	0.477		0.250	0.250	r
74-87-3	Chloromethane	0.529		0.250	0.250	r
106-99-0	1,3-Butadiene	0.250	U	0.250	0.250	r
75-00-3	Chloroethane	0.250	U	0.250	0.250	r
64-17-5	Ethanol	33.8	ES	0.375	0.375	r
67-64-1	Acetone	6.02	S	0.375	0.375	r
75-69-4	Trichlorofluoromethane	0.250	U	0.250	0.250	r
67-63-0	Isopropylalcohol	123	ES	0.375	0.375	r
107-13-1	Acrylonitrile	0.250	U	0.250	0.250	r
75-09-2	Methylene Chloride	1.50	U	1.50	1.50	r
75-15-0	Carbon Disulfide	0.250	U	0.250	0.250	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.250	U	0.250	0.250	r
78-93-3	Methyl Ethyl Ketone	0.824		0.225	0.225	r
110-54-3	Hexane	0.225	U	0.225	0.225	r
141-78-6	Ethyl acetate	0.250	U	0.250	0.250	r
109-99-9	Tetrahydrofuran	0.851		0.250	0.250	r
71-43-2	Benzene	0.287		0.100	0.100	r
110-82-7	Cyclohexane	0.250	U	0.250	0.250	r
540-84-1	2,2,4-trimethylpentane	0.144		0.107	0.107	
142-82-5	Heptane	0.250	U	0.250	0.250	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.250	U	0.250	0.250	r
10061-02-6	trans-1,3-Dichloropropene	0.250	U	0.250	0.250	r
108-88-3	Toluene	1.16		0.250	0.250	r
591-78-6	2-Hexanone(MBK)	0.250	U	0.250	0.250	r
630-20-6	1,1,1,2-Tetrachloroethane	0.250	U	0.250	0.250	r
108-90-7	Chlorobenzene	0.100	U	0.100	0.100	r
100-41-4	Ethylbenzene	0.250	U	0.250	0.250	r
179601-23-1	m,p-Xylene	0.500	U	0.500	0.500	r
100-42-5	Styrene	0.100	U	0.100	0.100	r
95-47-6	o-Xylene	0.250	U	0.250	0.250	r
98-82-8	Isopropylbenzene	0.250	U	0.250	0.250	r
622-96-8	4-Ethyltoluene	0.250	U	0.250	0.250	r
108-67-8	1,3,5-Trimethylbenzene	0.250	U	0.250	0.250	r
95-63-6	1,2,4-Trimethylbenzene	0.250	U	0.250	0.250	r
91-20-3	Naphthalene	0.050	U	0.055	0.050	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1

AIR ANALYSIS DATA SHEET

CLIENT ID: CU98036 QC 0.5 X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CU98036 0.5X

Canister: 28569 Lab File ID: 1217_13.D

Instrument: CHEM24 Column: RTX-1 Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 0.5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.050	U	0.050	0.050	r
74-83-9	Bromomethane(sim)	0.070	U	0.070	0.070	r
107-06-2	1,2-Dichloroethane(sim)	0.010	U	0.010	0.010	r
71-55-6	1,1,1-Trichloroethane(sim)	0.250	U	0.250	0.250	r
56-23-5	Carbon Tetrachloride(sim)	0.075		0.043	0.043	r
75-35-4	1,1-Dichloroethene(sim)	0.100	U	0.100	0.100	r
76-13-1	Trichlorotrifluoroethane(sim)	0.250	U	0.250	0.250	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.100	U	0.100	0.100	r
75-34-3	1,1-Dichloroethane(sim)	0.075	U	0.075	0.075	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.100	U	0.100	0.100	r
67-66-3	Chloroform(sim)	0.100	U	0.100	0.100	r
78-87-5	1,2-dichloropropane(sim)	0.010	U	0.010	0.010	r
75-27-4	Bromodichloromethane(sim)	0.010	U	0.010	0.010	r
79-01-6	Trichloroethene(sim)	0.048		0.025	0.025	r
123-91-1	1,4-Dioxane(sim)	0.065	U	0.065	0.065	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.050	U	0.050	0.050	r
79-00-5	1,1,2-Trichloroethane(sim)	0.010	U	0.010	0.010	r
124-48-1	Dibromochloromethane(sim)	0.010	U	0.010	0.010	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.005	U	0.005	0.005	r
127-18-4	Tetrachloroethene(sim)	0.067		0.050	0.050	r
75-25-2	Bromoform(sim)	0.075	U	0.075	0.075	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.005	U	0.005	0.005	r
100-44-7	Benzyl chloride(sim)	0.250	U	0.250	0.250	r
541-73-1	1,3-Dichlorobenzene(sim)	0.050	U	0.050	0.050	r
106-46-7	1,4-Dichlorobenzene(sim)	0.040	U	0.040	0.040	r
135-98-8	sec-Butylbenzene(sim)	0.250	U	0.250	0.250	r
99-87-6	4-Isopropyltoluene(sim)	0.250	U	0.250	0.250	r
95-50-1	1,2-Dichlorobenzene(sim)	0.050	U	0.050	0.050	r
104-51-8	n-Butylbenzene(sim)	0.250	U	0.250	0.250	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.027	U	0.027	0.027	r
87-68-3	Hexachlorobutadiene(sim)	0.005	U	0.005	0.005	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_13.D
Acq On : 17 Dec 2025 10:44 pm
Operator : Keith
Client ID : CU98036 QC 0.5 X
Lab ID : CU98036 QC 0.5 X
ALS Vial : 13 Sample Multiplier: 1

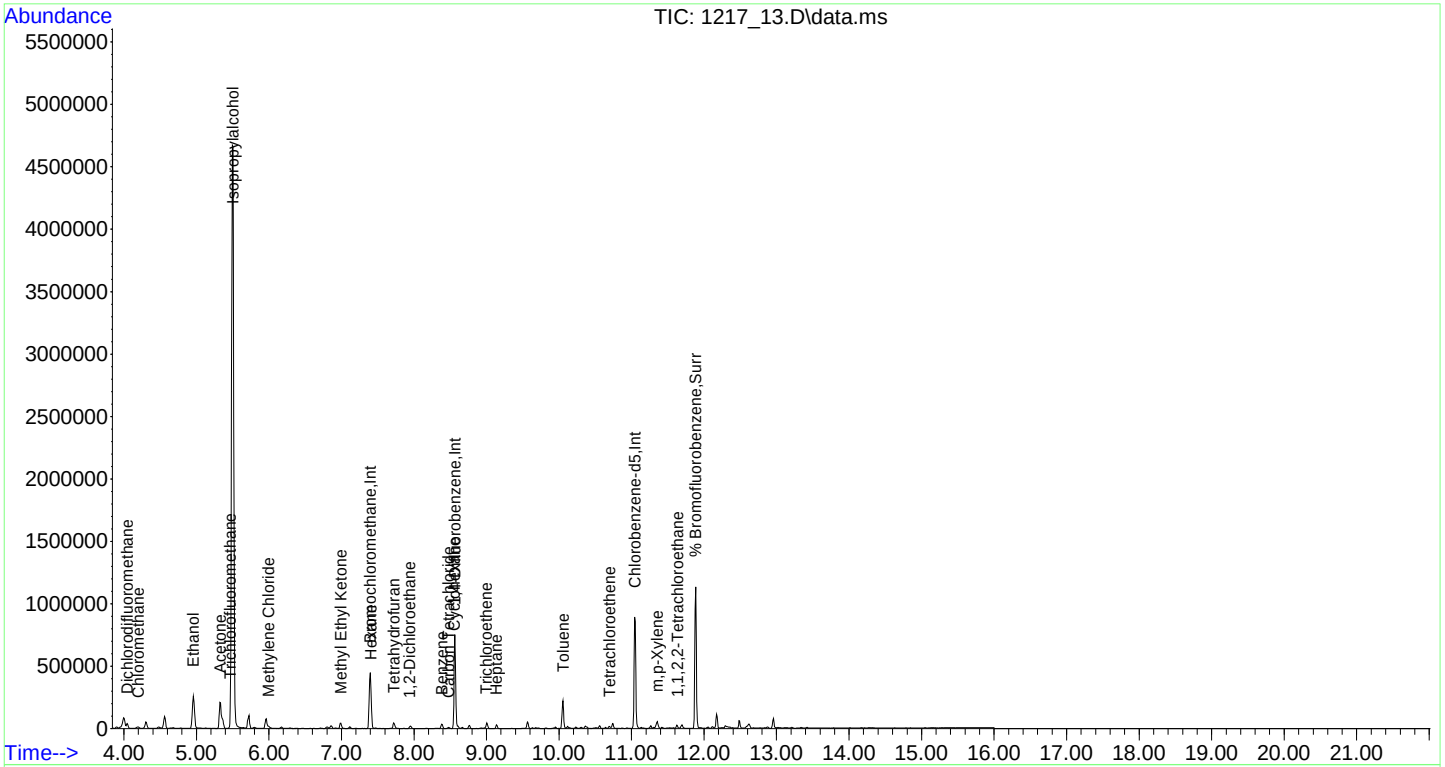
Quant Time: Dec 18 10:29:29 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

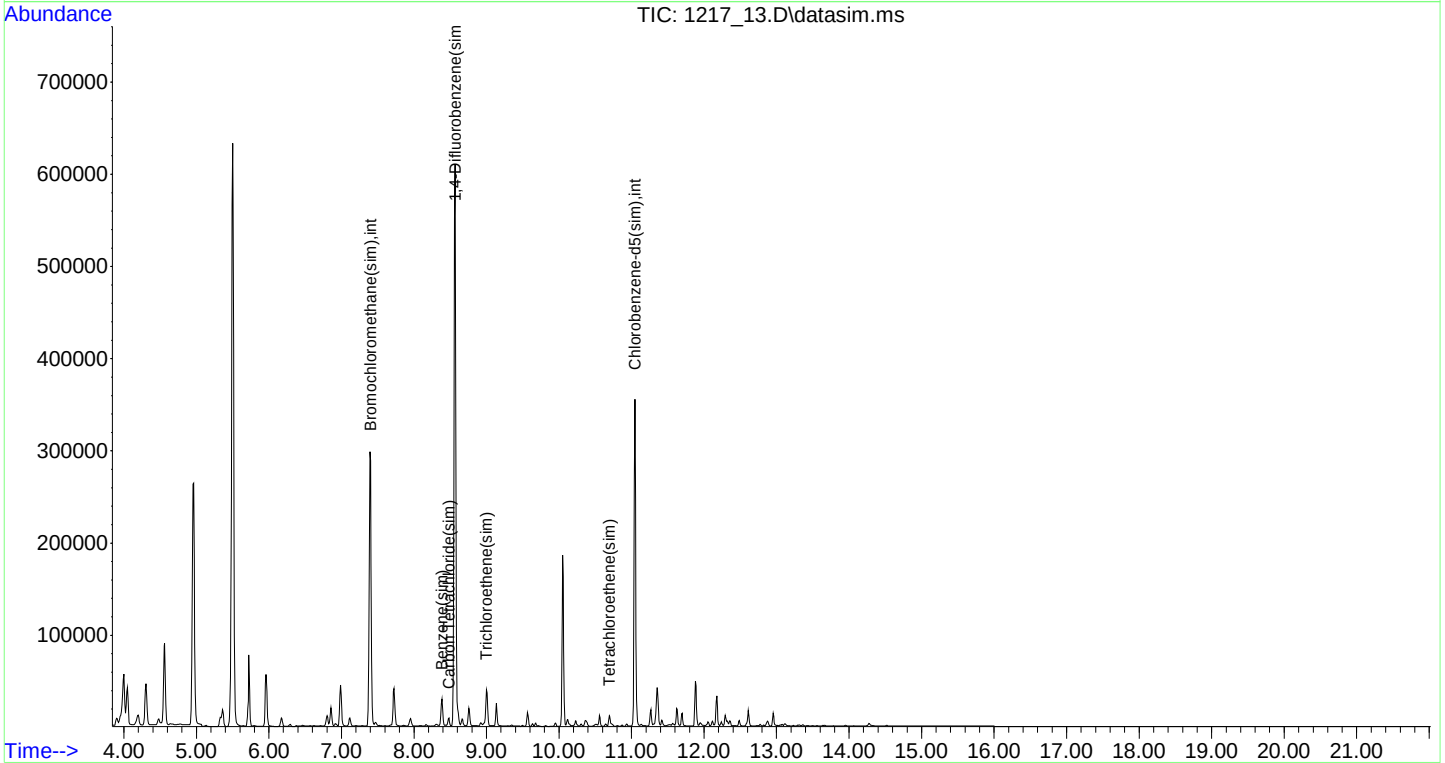
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.397	130	158797	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	552619	10.000	ng		0.00
53) Chlorobenzene-d5	11.043	82	251524	10.000	ng		0.00
80) Bromochloromethane(sim)	7.400	130	176715	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	552619	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.043	82	251524	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	324392	10.342	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.40%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	4.045	85	40468	0.953	ppbv	#	96
4) Chloromethane	4.194	50	13796	1.058	ppbv		100
11) Ethanol	4.957	45	310330	67.521	ppbv		90
12) Acetone	5.325	43	265820	12.049	ppbv		98
13) Trichlorofluoromethane	5.466	101	18991	0.425	ppbv		99
14) Isopropylalcohol	5.503	45	6429918	245.512	ppbv	#	95
17) Methylene Chloride	5.991	49	8663	0.455	ppbv	#	67
21) Trichlorotrifluoroethane	6.170	101	4978	0.127	ppbv		91
25) Methyl Ethyl Ketone	6.992	43	49364	1.647	ppbv	#	82
27) Hexane	7.406	57	10521	0.446	ppbv	#	87
30) Tetrahydrofuran	7.722	42	25392	1.701	ppbv	#	65
31) 1,2-Dichloroethane	7.941	62	758	0.035	ppbv	#	80
33) Benzene	8.383	78	30329	0.573	ppbv	#	91
34) Carbon Tetrachloride	8.478	117	5726	0.145	ppbv		96
35) Cyclohexane	8.556	84	8552	0.375	ppbv	#	72
38) Bromodichloromethane	8.971	83	685	0.017	ppbv	#	27
39) Trichloroethene	8.997	130	2850	0.108	ppbv		94
43) Heptane	9.136	43	10061	0.385	ppbv	#	77
48) Toluene	10.056	91	141130	2.328	ppbv		97
52) Tetrachloroethene	10.696	166	5043	0.145	ppbv		94
57) m,p-Xylene	11.354	91	33891	0.624	ppbv		99
60) 1,1,2,2-Tetrachloroethane	11.635	83	1054	0.021	ppbv	#	1
79) Hexachlorobutadiene	14.512	225	224	0.005	ppbv	#	69
87] Benzene(sim)	8.383	78	30329	0.549	ppbv	#	91
88] Carbon Tetrachloride(sim)	8.481	117	6077	0.150	ppbv		100
97] Bromodichloromethane(sim)	8.971	83	685	0.017	ppbv	#	27
98] Trichloroethene(sim)	9.000	130	3252	0.096	ppbv		98
104] Tetrachloroethene(sim)	10.692	166	5513	0.134	ppbv		94
118] Hexachlorobutadiene(sim)	14.515	225	484	0.009	ppbv		95

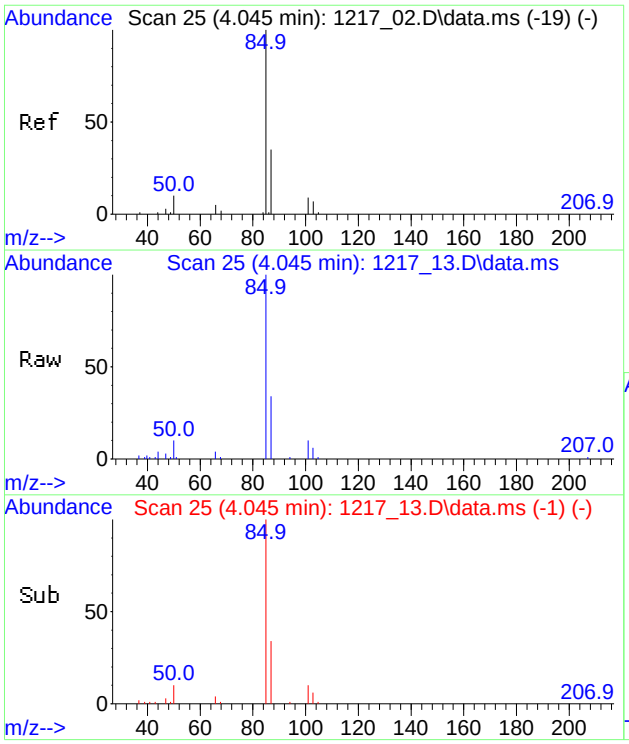
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_13.D
Acq On : 17 Dec 2025 10:44 pm
Operator : Keith
Client ID : CU98036 QC 0.5 X
Lab ID : CU98036 QC 0.5 X
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 18 10:29:29 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration



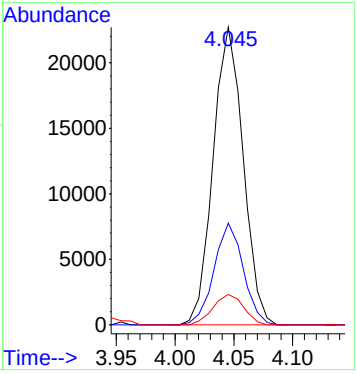


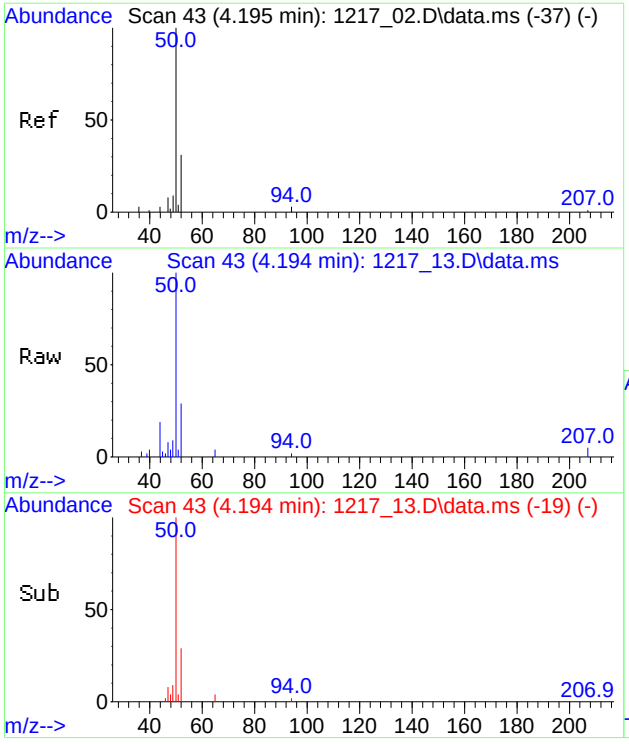


#3
Dichlorodifluoromethane
Conc: 8$ 0.953 ppbv
RT: 4.045 min Scan# 25
Delta R.T. 0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 85 Resp: 40468

Ion	Ratio	Lower	Upper
85	100		
87	33.3	26.9	40.3
50	10.4	12.0	18.0#

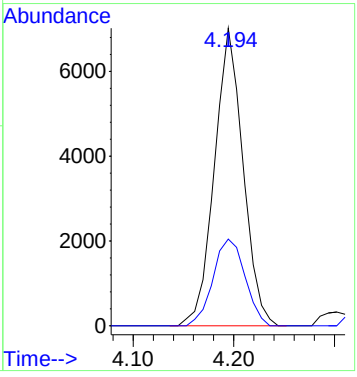


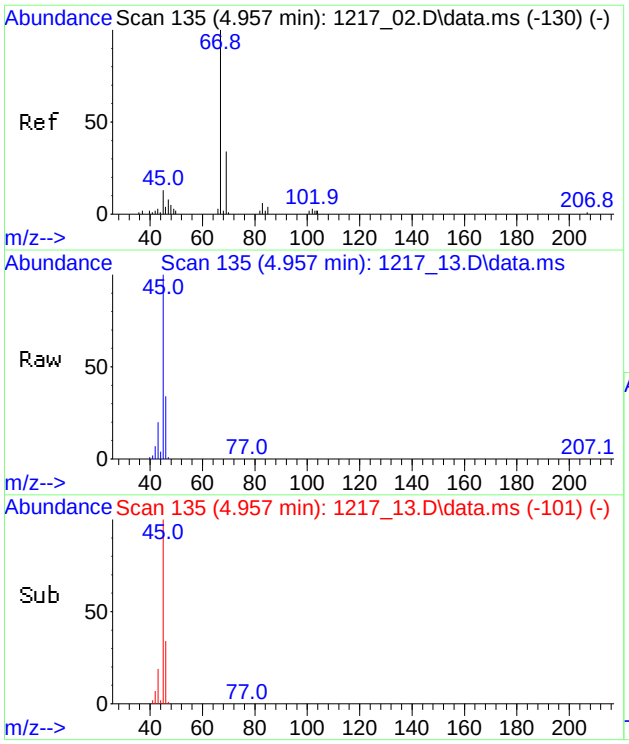


#4
Chloromethane
Conc: 8$ 1.058 ppbv
RT: 4.194 min Scan# 43
Delta R.T. -0.001 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 50 Resp: 13796

Ion	Ratio	Lower	Upper
50	100		
52	32.6	12.8	52.8

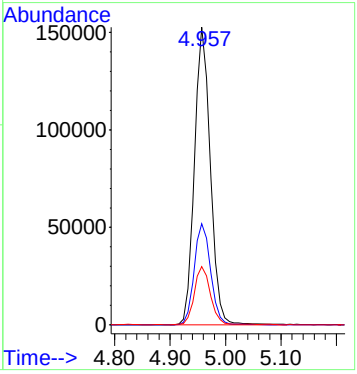


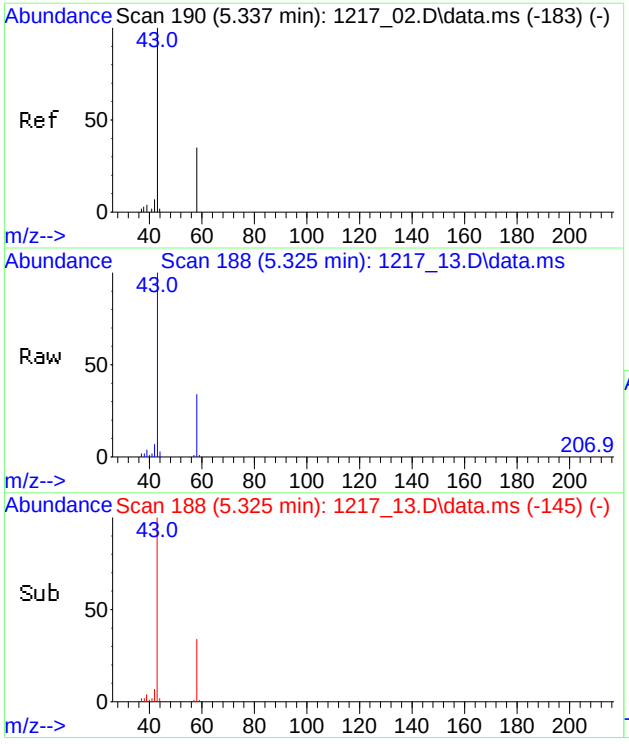


#11
Ethanol
Conc: 8$ 67.521 ppbv
RT: 4.957 min Scan# 135
Delta R.T. -0.017 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 45 Resp: 310330

Ion	Ratio	Lower	Upper
45	100		
46	36.8	25.0	37.6
43	20.4	20.0	30.0

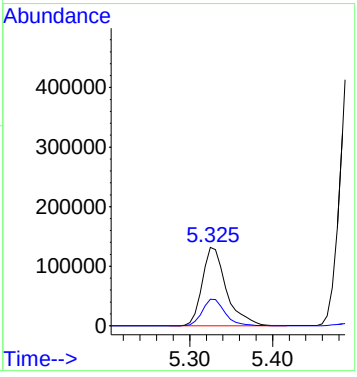


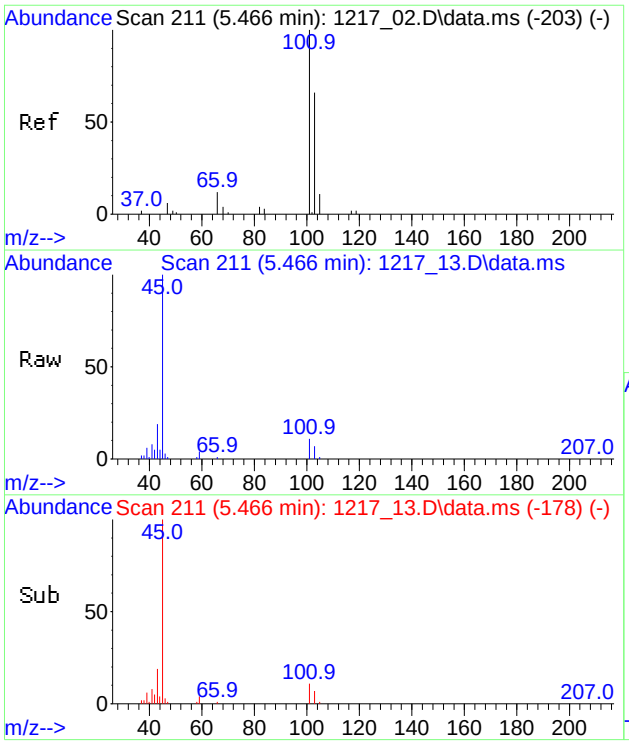


#12
Acetone
Conc: 8$ 12.049 ppbv
RT: 5.325 min Scan# 188
Delta R.T. -0.018 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 43 Resp: 265820

Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.6	37.0

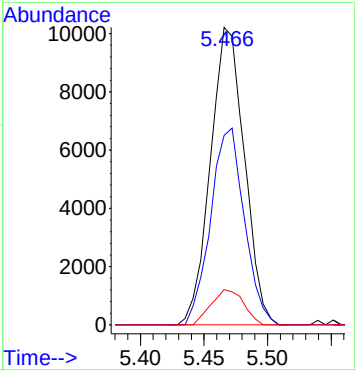


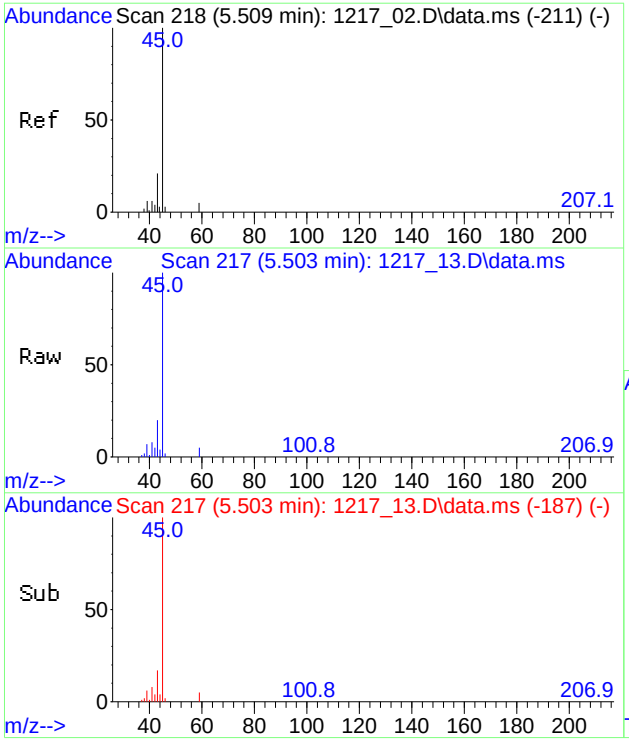


#13
Trichlorofluoromethane
Conc: 8$ 0.425 ppbv
RT: 5.466 min Scan# 211
Delta R.T. -0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion:101 Resp: 18991

Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.4	80.2
66	11.3	9.3	13.9

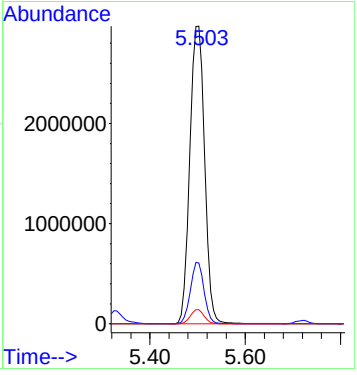


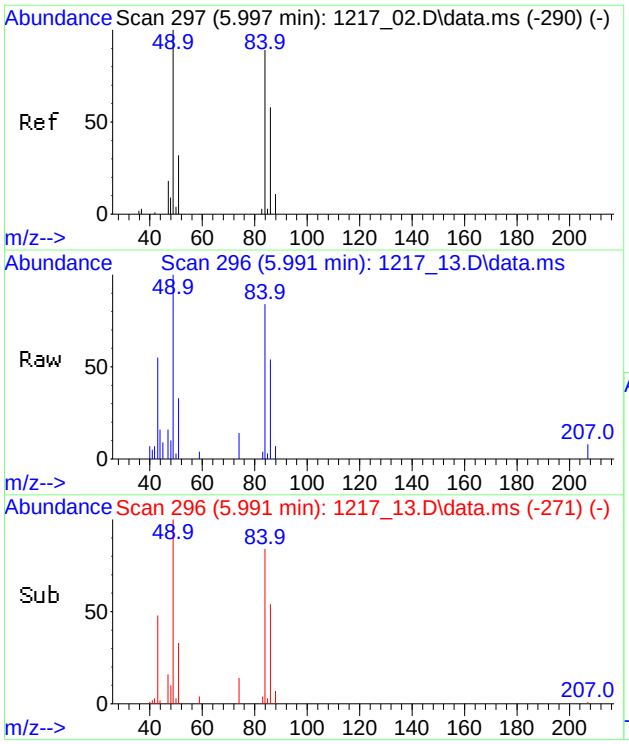


#14
Isopropylalcohol
Conc: 8$ 245.512 ppbv
RT: 5.503 min Scan# 217
Delta R.T. -0.018 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 45 Resp: 6429918

Ion	Ratio	Lower	Upper
45	100		
43	19.0	13.3	19.9
59	4.5	2.6	4.0#

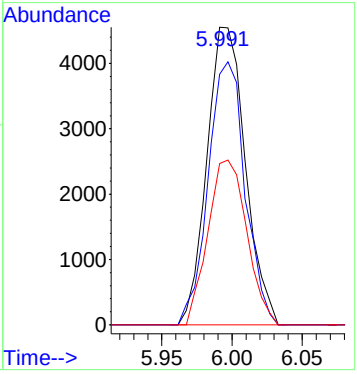


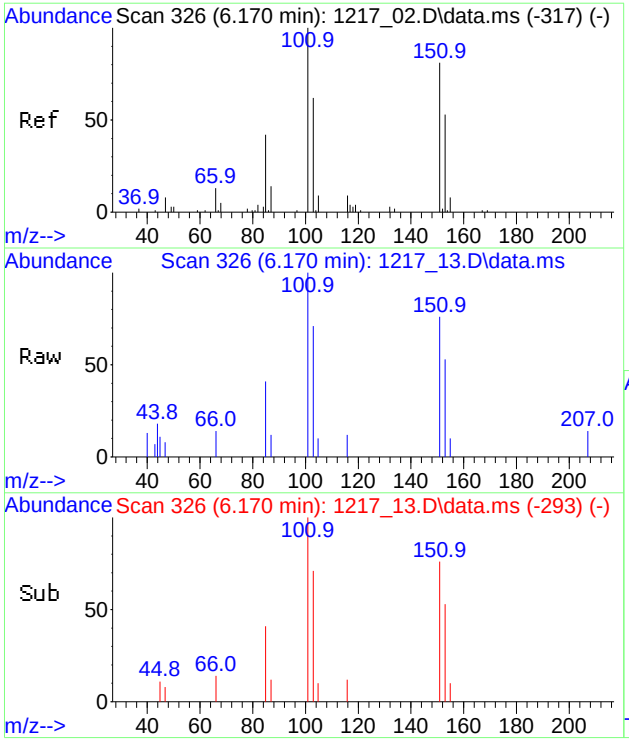


#17
Methylene Chloride
Conc: 8$ 0.455 ppbv
RT: 5.991 min Scan# 296
Delta R.T. 0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 49 Resp: 8663

Ion	Ratio	Lower	Upper
49	100		
84	84.8	46.1	69.1#
86	55.9	30.9	46.3#

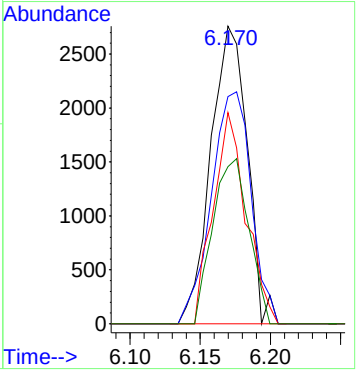


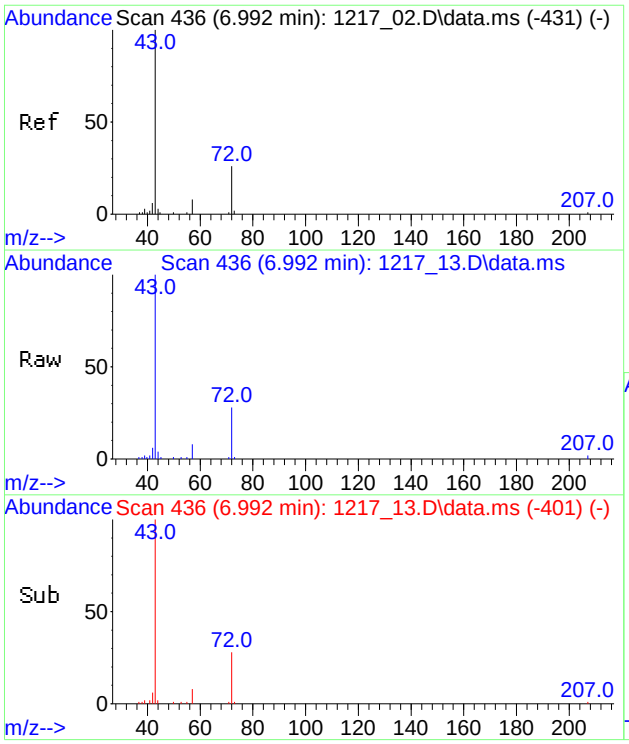


#21
Trichlorotrifluoroethane
Conc: 8$ Below Cal
RT: 6.170 min Scan# 326
Delta R.T. -0.006 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion:101 Resp: 4978

Ion	Ratio	Lower	Upper
101	100		
151	85.1	78.2	117.2
103	63.9	53.1	79.7
153	55.1	49.2	73.8

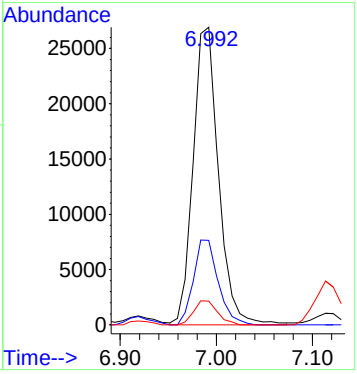


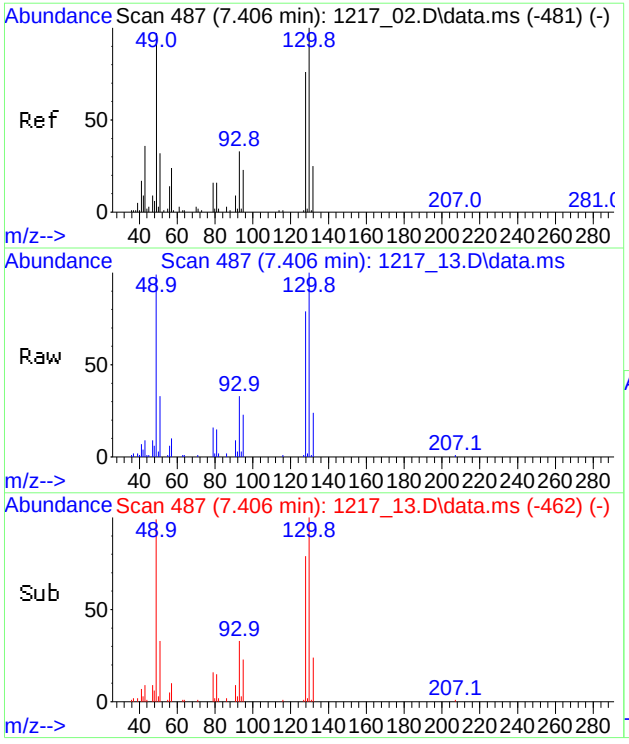


#25
Methyl Ethyl Ketone
Conc: 8$ 1.647 ppbv
RT: 6.992 min Scan# 436
Delta R.T. -0.016 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 43 Resp: 49364

Ion	Ratio	Lower	Upper
43	100		
72	27.7	13.1	19.7#
57	7.6	6.6	9.8

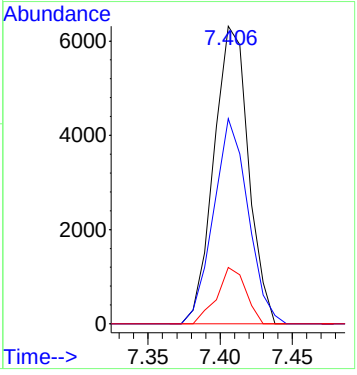


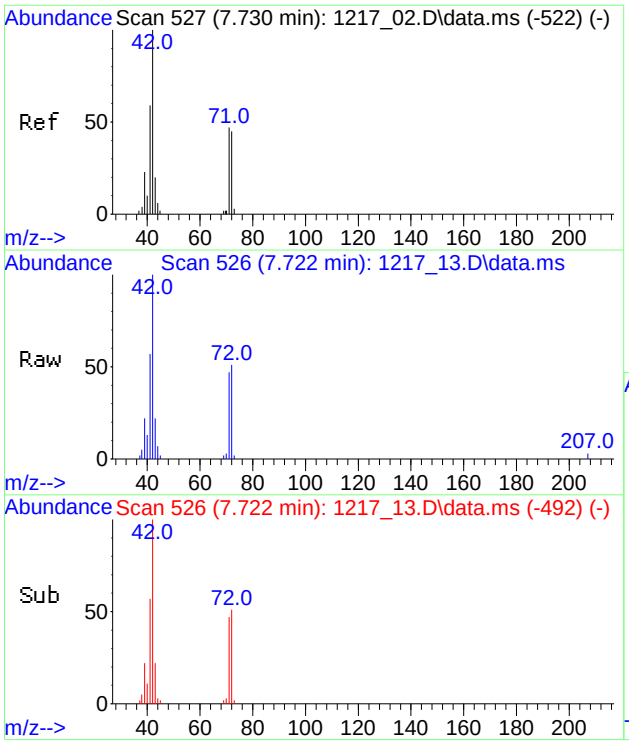


#27
Hexane
Conc: 8$ 0.446 ppbv
RT: 7.406 min Scan# 487
Delta R.T. -0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 57 Resp: 10521

Ion	Ratio	Lower	Upper
57	100		
41	69.0	63.4	95.2
86	15.8	5.8	8.6#

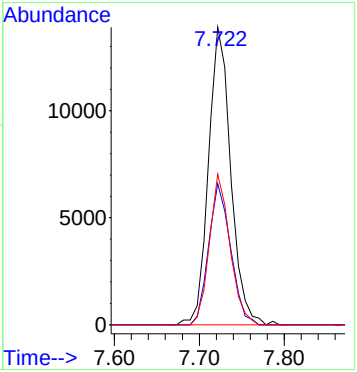


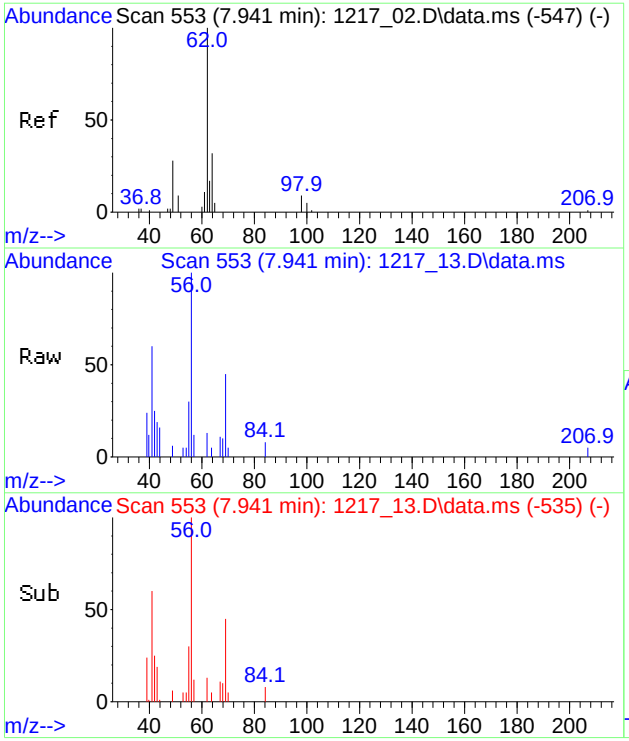


#30
Tetrahydrofuran
Conc: 8$ 1.701 ppbv
RT: 7.722 min Scan# 526
Delta R.T. -0.024 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 42 Resp: 25392

Ion	Ratio	Lower	Upper
42	100		
71	46.6	23.5	35.3#
72	46.7	21.5	32.3#

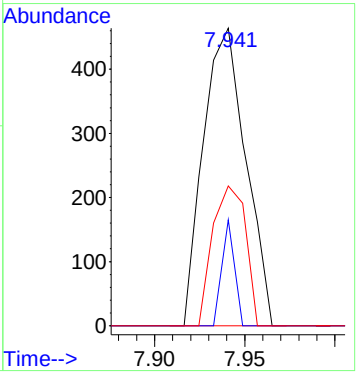


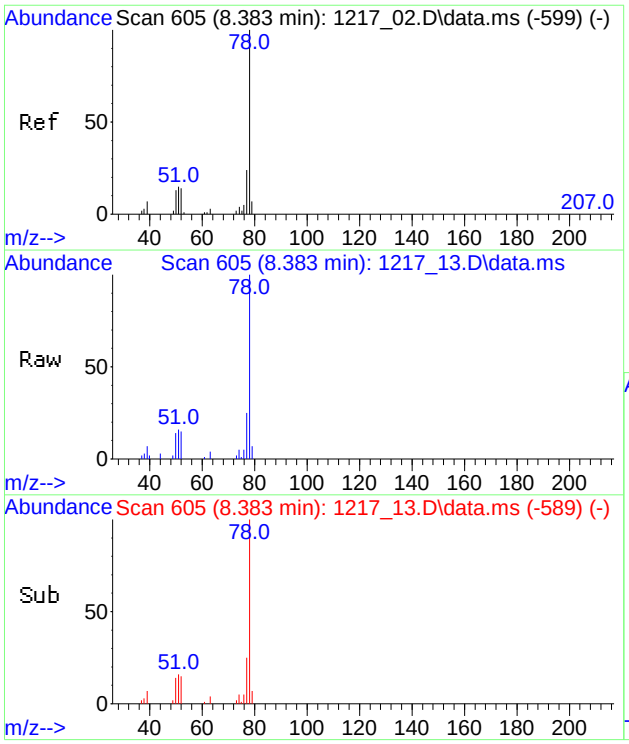


#31
1,2-Dichloroethane
Conc: 8$ Below Cal
RT: 7.941 min Scan# 553
Delta R.T. -0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 62 Resp: 758

Ion	Ratio	Lower	Upper
62	100		
64	10.6	23.9	35.9#
49	36.5	26.3	39.5

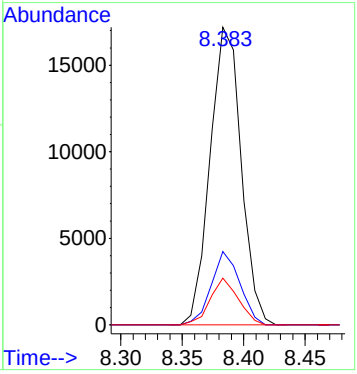


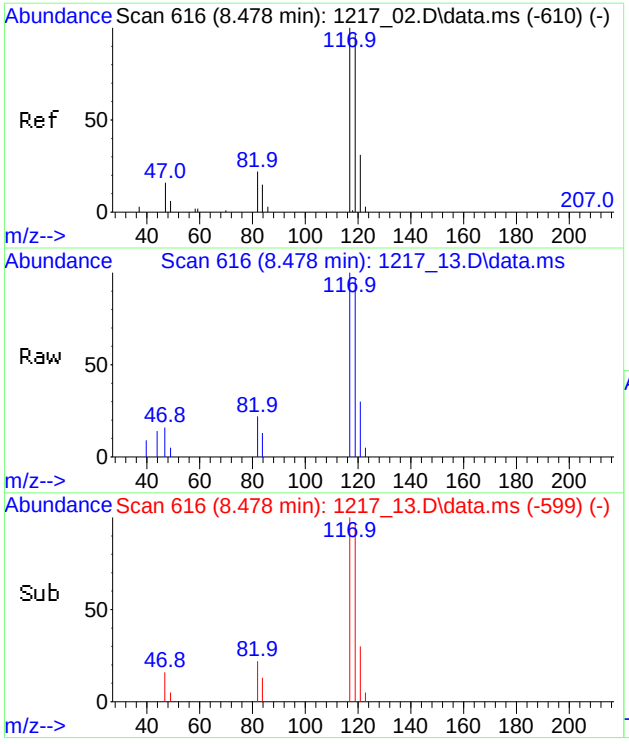


#33
Benzene
Conc: 8$ 0.573 ppbv
RT: 8.383 min Scan# 605
Delta R.T. 0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 78 Resp: 30329

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2
51	14.2	18.1	27.1#

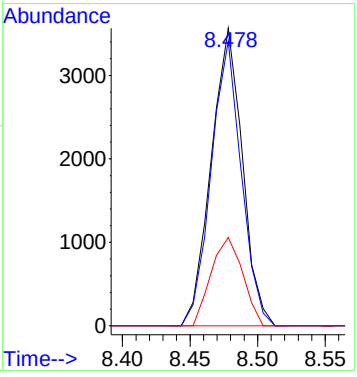


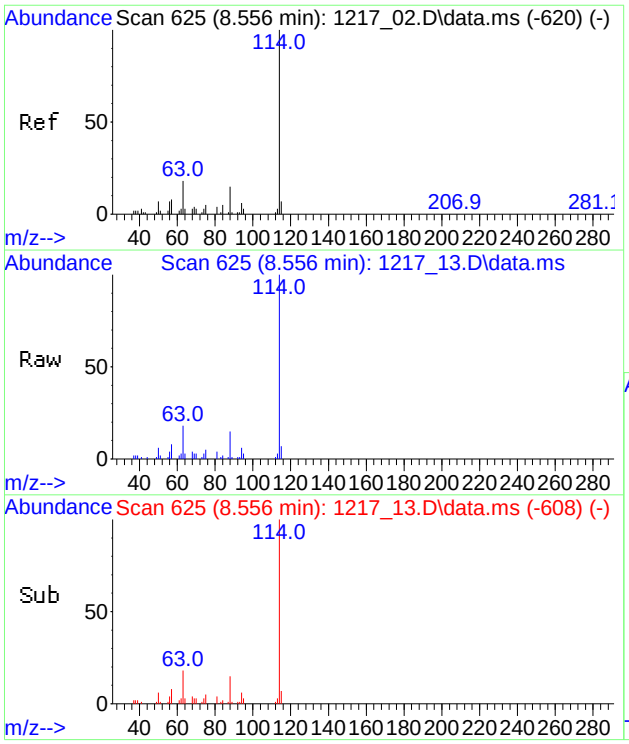


#34
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 8.478 min Scan# 616
Delta R.T. 0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion:117 Resp: 5726

Ion	Ratio	Lower	Upper
117	100		
119	92.1	76.5	116.5
121	30.0	11.2	51.2

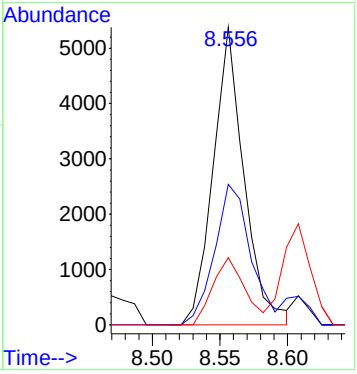


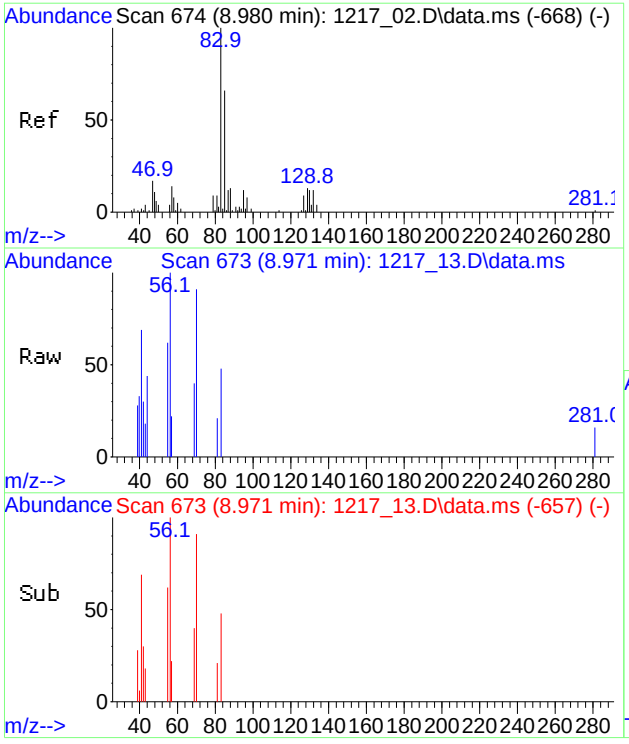


#35
Cyclohexane
Conc: 8$ 0.375 ppbv
RT: 8.556 min Scan# 625
Delta R.T. 0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 84 Resp: 8552

Ion	Ratio	Lower	Upper
84	100		
55	55.0	63.1	94.7#
42	23.7	33.3	49.9#

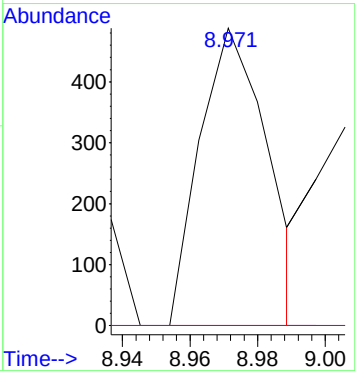


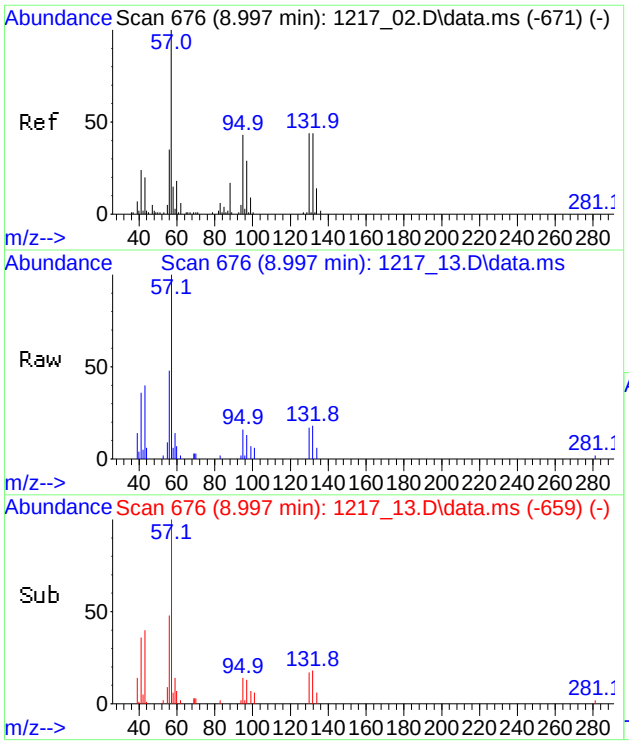


#38
Bromodichloromethane
Conc: 8$ Below Cal
RT: 8.971 min Scan# 673
Delta R.T. -0.009 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 83 Resp: 685

Ion	Ratio	Lower	Upper
83	100		
85	0.0	44.0	84.0#
129	0.0	0.0	35.8

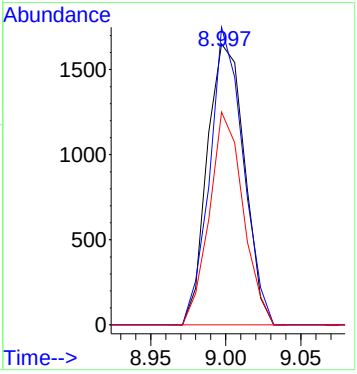


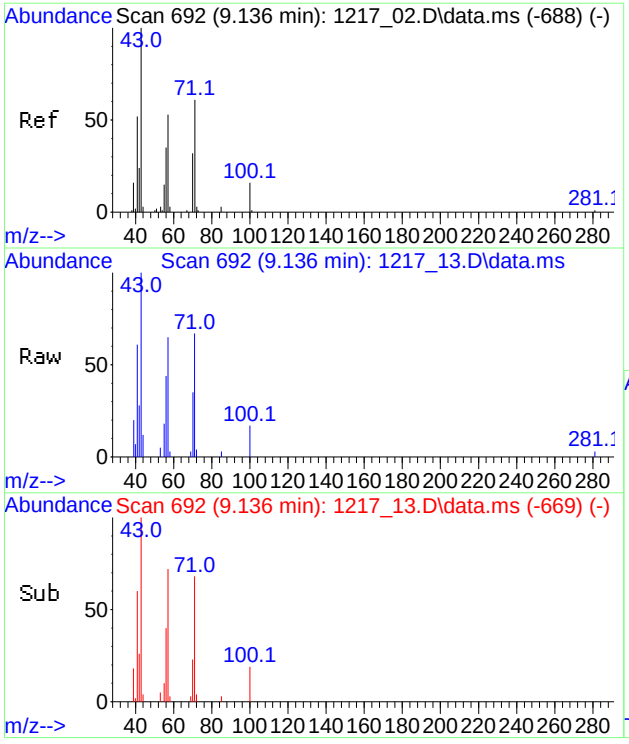


#39
Trichloroethene
Conc: 8$ Below Cal
RT: 8.997 min Scan# 676
Delta R.T. 0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion:130 Resp: 2850

Ion	Ratio	Lower	Upper
130	100		
132	95.4	77.9	116.9
97	68.8	48.3	72.5

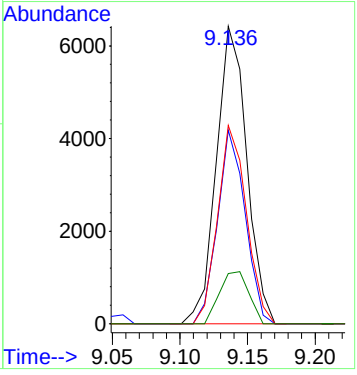


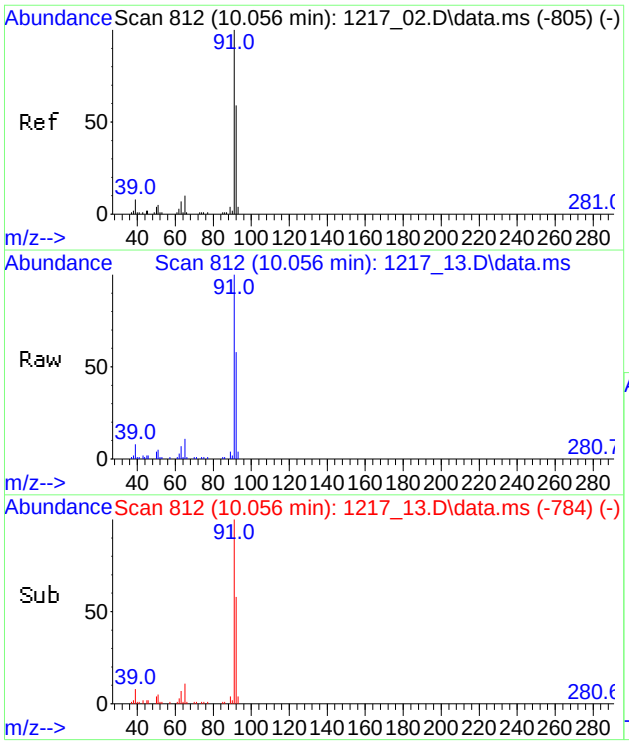


#43
Heptane
Conc: 8$ 0.385 ppbv
RT: 9.136 min Scan# 692
Delta R.T. -0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 43 Resp: 10061

Ion	Ratio	Lower	Upper
43	100		
57	59.0	42.4	63.6
71	63.0	29.4	44.0#
100	16.8	6.5	9.7#

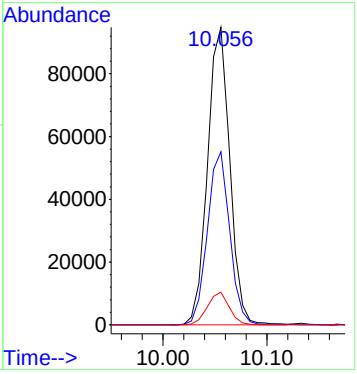


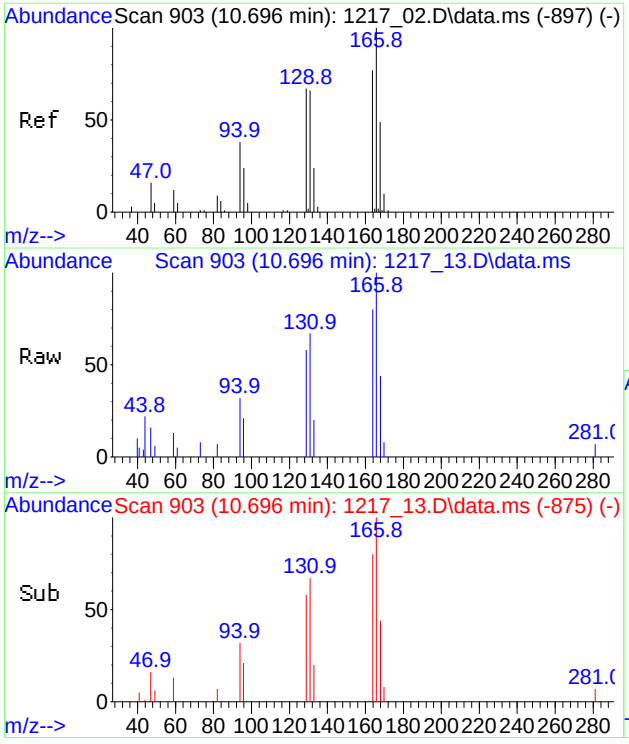


#48
Toluene
Conc: 8$ 2.328 ppbv
RT: 10.056 min Scan# 812
Delta R.T. -0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 91 Resp: 141130

Ion	Ratio	Lower	Upper
91	100		
92	58.4	45.0	67.4
65	10.8	9.4	14.2

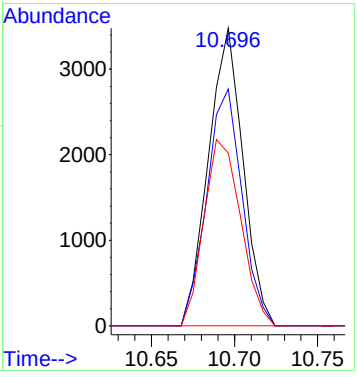


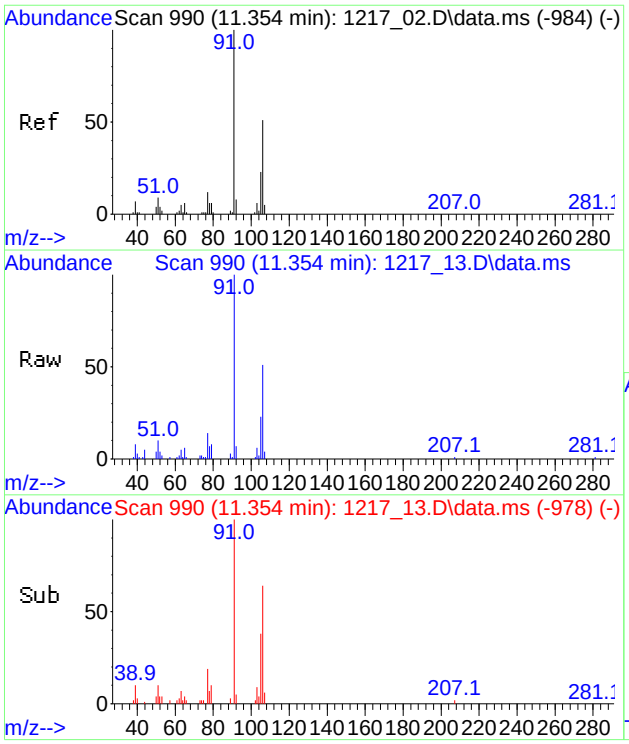


#52
Tetrachloroethene
Conc: 8$ Below Cal
RT: 10.696 min Scan# 903
Delta R.T. 0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion:166 Resp: 5043

Ion	Ratio	Lower	Upper
166	100		
164	81.0	64.7	97.1
129	66.5	62.2	93.2

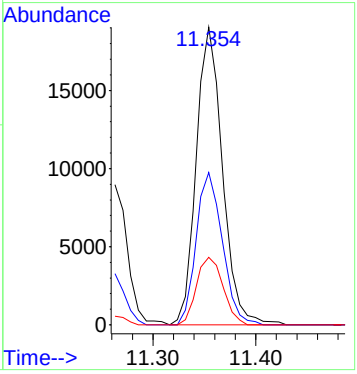


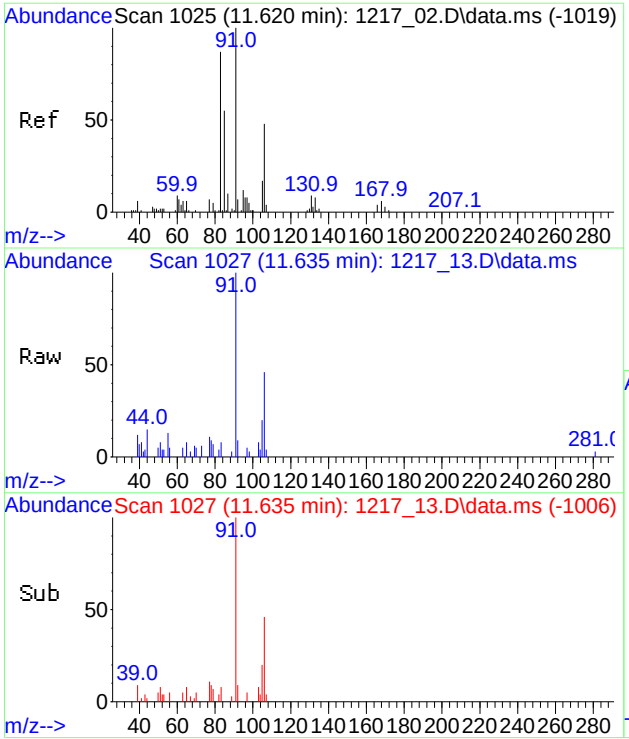


#57
m,p-Xylene
Conc: 8$ 0.624 ppbv
RT: 11.354 min Scan# 990
Delta R.T. -0.008 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 91 Resp: 33891

Ion	Ratio	Lower	Upper
91	100		
106	50.9	41.1	61.7
105	23.0	19.5	29.3

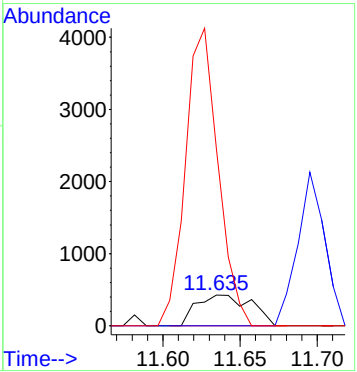


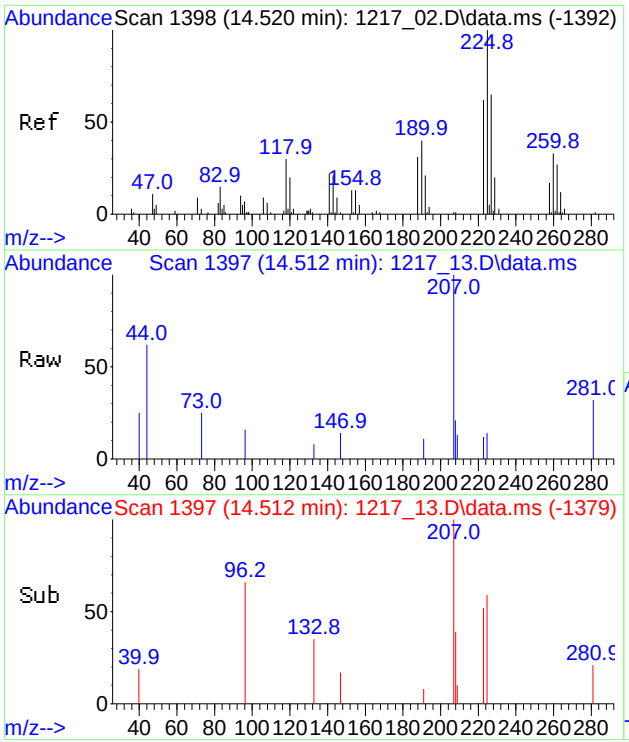


#60
1,1,2,2-Tetrachloroethane
Conc: 8$ Below Cal
RT: 11.635 min Scan# 1027
Delta R.T. 0.008 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 83 Resp: 1054

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#
106	577.5	56.2	84.4#

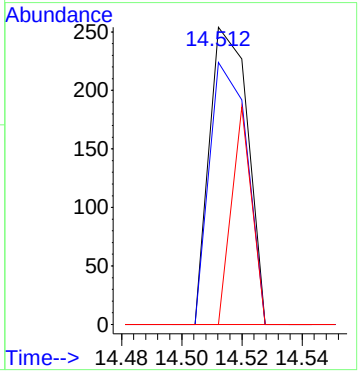


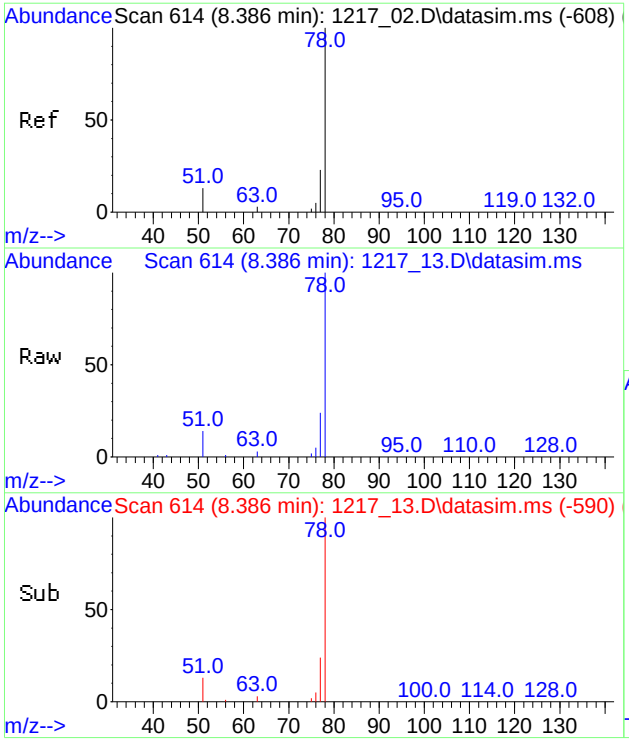


#79
Hexachlorobutadiene
Conc: 8$ Below Cal
RT: 14.512 min Scan# 1397
Delta R.T. -0.008 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion:225 Resp: 224

Ion	Ratio	Lower	Upper
225	100		
223	86.6	38.6	90.0
227	38.8	38.9	90.7#

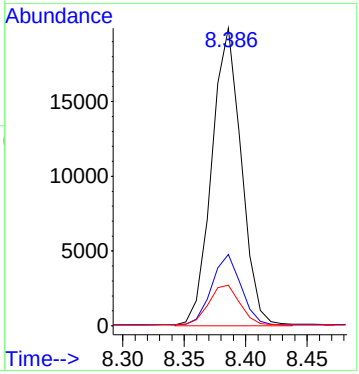


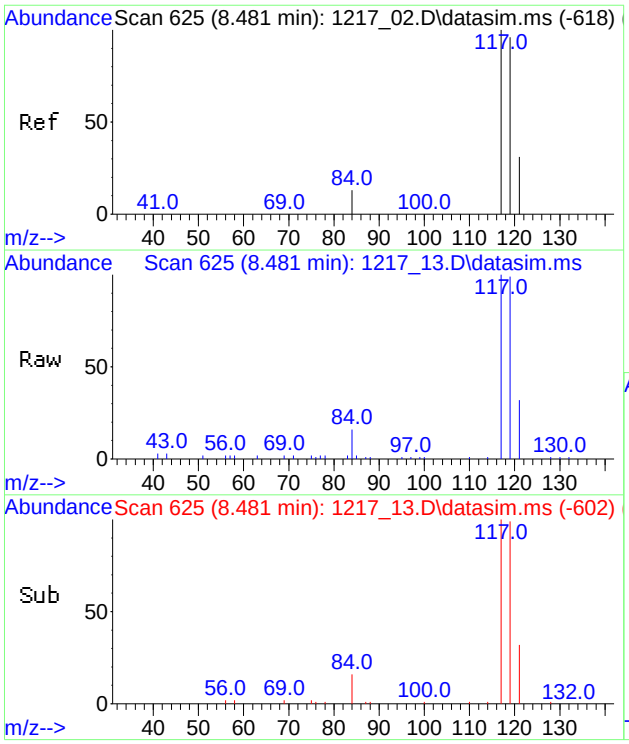


#87
Benzene(sim)
Conc: 8$ 0.549 ppbv
RT: 8.383 min Scan# 614
Delta R.T. 0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 78 Resp: 30329

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2
51	14.2	18.1	27.1#

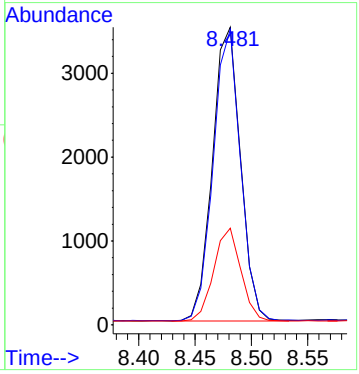


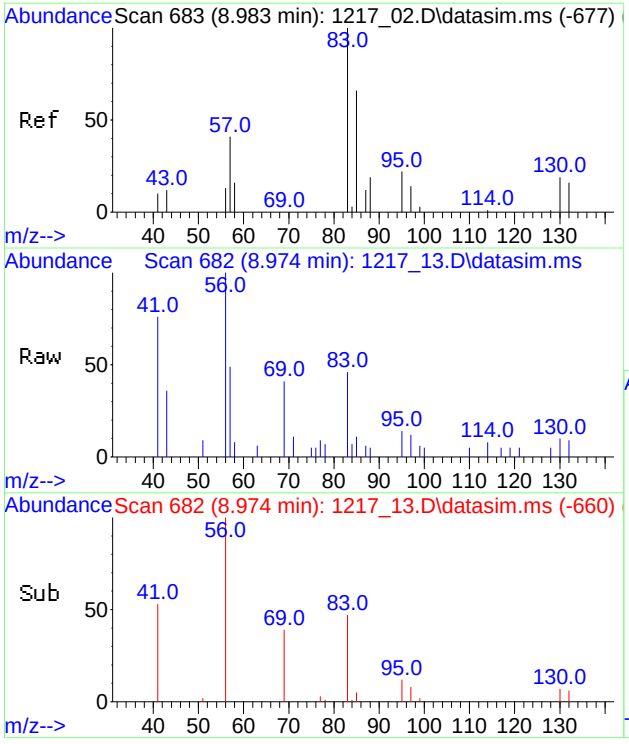


#88
Carbon Tetrachloride(sim)
Conc: 8$ 0.150 ppbv
RT: 8.481 min Scan# 625
Delta R.T. 0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion:117 Resp: 6077

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.4	116.2
121	30.6	24.9	37.3

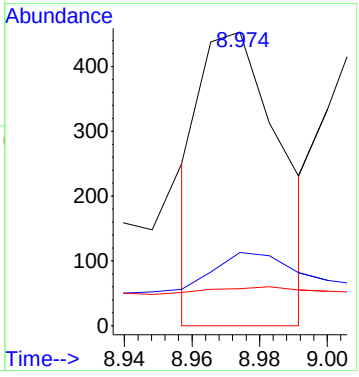


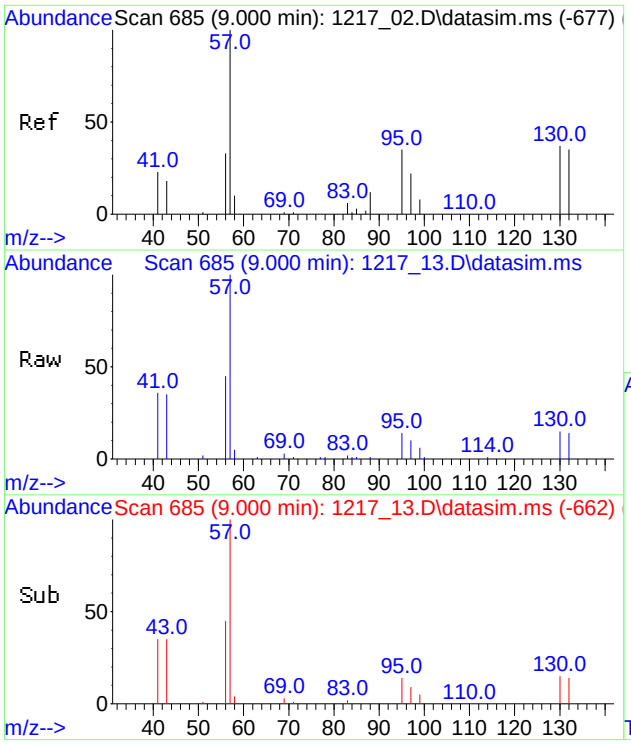


#97
Bromodichloromethane(sim)
Conc: 8$ Below Cal
RT: 8.971 min Scan# 682
Delta R.T. -0.009 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion: 83 Resp: 685

Ion	Ratio	Lower	Upper
83	100		
85	0.0	44.0	84.0#
87	0.0	0.0	33.1

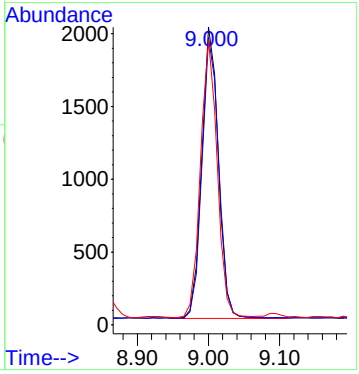


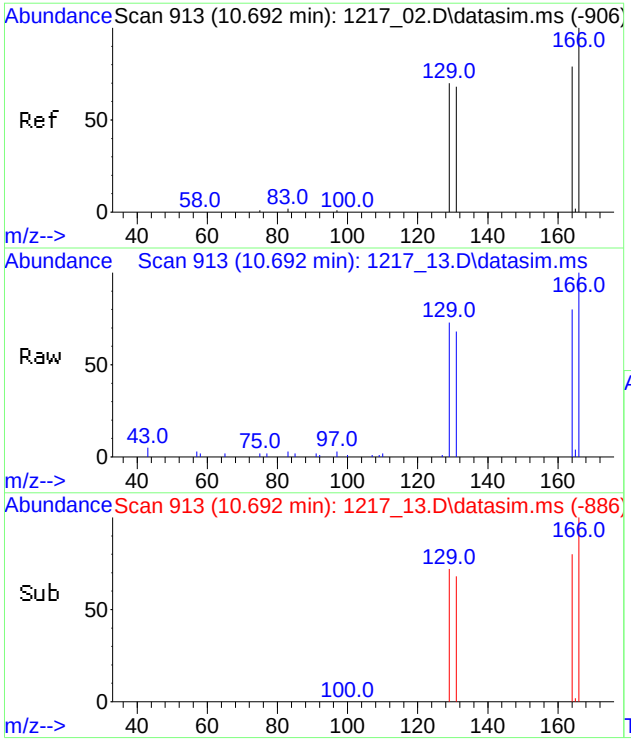


#98
Trichloroethene(sim)
Conc: 8$ 0.096 ppbv
RT: 9.000 min Scan# 685
Delta R.T. 0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion:130 Resp: 3252

Ion	Ratio	Lower	Upper
130	100		
132	97.0	77.5	116.3
95	95.5	73.8	110.6

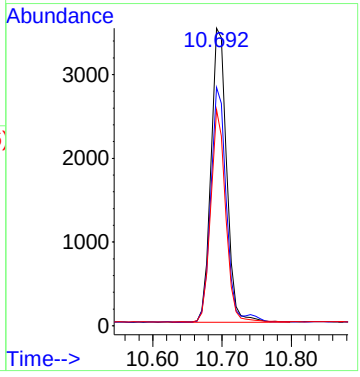


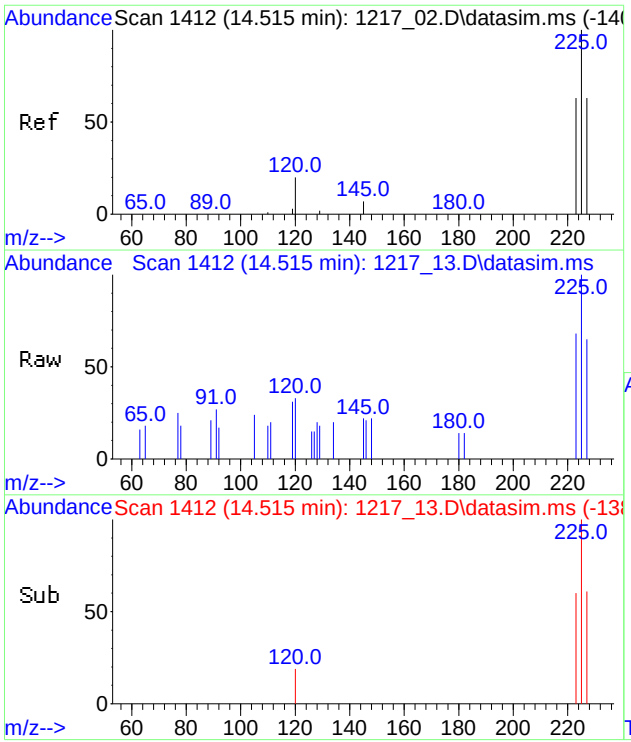


#104
Tetrachloroethene(sim)
Conc: 8$ 0.134 ppbv
RT: 10.692 min Scan# 913
Delta R.T. -0.007 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion:166 Resp: 5513

Ion	Ratio	Lower	Upper
166	100		
164	79.8	58.0	98.0
129	69.1	58.0	98.0

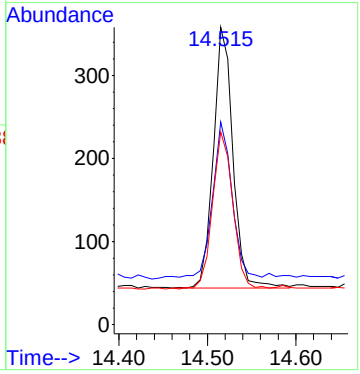




#118
Hexachlorobutadiene(sim)
Conc: 8$ Below Cal
RT: 14.515 min Scan# 1412
Delta R.T. 0.000 min
Lab File: 1217_13.D
Acq: 17 Dec 2025 10:44 pm

Tgt Ion:225 Resp: 484

Ion	Ratio	Lower	Upper
225	100		
223	61.0	52.0	78.0
227	62.2	52.2	78.4



CLIENT ID

AIR ANALYSIS DATA SHEET

CU98036 BLANK

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CU98036 BL

Canister: BL Lab File ID: 1217_05.D

Instrument: CHEM24 Column: RTX-1 Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.250	U	0.250	0.250	r
75-71-8	Dichlorodifluoromethane	0.250	U	0.250	0.250	r
74-87-3	Chloromethane	0.250	U	0.250	0.250	r
106-99-0	1,3-Butadiene	0.250	U	0.250	0.250	r
75-00-3	Chloroethane	0.250	U	0.250	0.250	r
64-17-5	Ethanol	0.375	U	0.375	0.375	r
67-64-1	Acetone	0.375	U	0.375	0.375	r
67-63-0	Isopropylalcohol	0.375	U	0.375	0.375	r
107-13-1	Acrylonitrile	0.250	U	0.250	0.250	r
75-09-2	Methylene Chloride	1.50	U	1.50	1.50	r
75-15-0	Carbon Disulfide	0.250	U	0.250	0.250	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.250	U	0.250	0.250	r
78-93-3	Methyl Ethyl Ketone	0.225	U	0.225	0.225	r
110-54-3	Hexane	0.225	U	0.225	0.225	r
141-78-6	Ethyl acetate	0.250	U	0.250	0.250	r
109-99-9	Tetrahydrofuran	0.250	U	0.250	0.250	r
110-82-7	Cyclohexane	0.250	U	0.250	0.250	r
540-84-1	2,2,4-trimethylpentane	0.100	U	0.100	0.100	r
142-82-5	Heptane	0.250	U	0.250	0.250	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.250	U	0.250	0.250	r
10061-02-6	trans-1,3-Dichloropropene	0.250	U	0.250	0.250	r
108-88-3	Toluene	0.250	U	0.250	0.250	r
591-78-6	2-Hexanone(MBK)	0.250	U	0.250	0.250	r
630-20-6	1,1,1,2-Tetrachloroethane	0.250	U	0.250	0.250	r
108-90-7	Chlorobenzene	0.100	U	0.100	0.100	r
100-41-4	Ethylbenzene	0.250	U	0.250	0.250	r
100-42-5	Styrene	0.100	U	0.100	0.100	r
95-47-6	o-Xylene	0.250	U	0.250	0.250	r
98-82-8	Isopropylbenzene	0.250	U	0.250	0.250	r
622-96-8	4-Ethyltoluene	0.250	U	0.250	0.250	r
108-67-8	1,3,5-Trimethylbenzene	0.250	U	0.250	0.250	r
95-63-6	1,2,4-Trimethylbenzene	0.250	U	0.250	0.250	r
91-20-3	Naphthalene	2.50	U	2.50	2.50	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.050	U	0.050	0.050	r
74-83-9	Bromomethane(sim)	0.070	U	0.070	0.070	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

CLIENT ID

AIR ANALYSIS DATA SHEET

CU98036 BLANK

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CU98036 BL

Canister: BL Lab File ID: 1217_05.D

Instrument: CHEM24 Column: RTX-1 Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.250	U	0.250	0.250	r
107-06-2	1,2-Dichloroethane(sim)	0.010	U	0.010	0.010	r
71-55-6	1,1,1-Trichloroethane(sim)	0.250	U	0.250	0.250	r
71-43-2	Benzene(sim)	0.100	U	0.100	0.100	r
56-23-5	Carbon Tetrachloride(sim)	0.043	U	0.043	0.043	r
75-35-4	1,1-Dichloroethene(sim)	0.100	U	0.100	0.100	r
76-13-1	Trichlorotrifluoroethane(sim)	0.250	U	0.250	0.250	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.100	U	0.100	0.100	r
75-34-3	1,1-Dichloroethane(sim)	0.075	U	0.075	0.075	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.100	U	0.100	0.100	r
67-66-3	Chloroform(sim)	0.100	U	0.100	0.100	r
78-87-5	1,2-dichloropropane(sim)	0.010	U	0.010	0.010	r
75-27-4	Bromodichloromethane(sim)	0.010	U	0.010	0.010	r
79-01-6	Trichloroethene(sim)	0.025	U	0.025	0.025	r
123-91-1	1,4-Dioxane(sim)	0.065	U	0.065	0.065	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.050	U	0.050	0.050	r
79-00-5	1,1,2-Trichloroethane(sim)	0.010	U	0.010	0.010	r
124-48-1	Dibromochloromethane(sim)	0.010	U	0.010	0.010	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.005	U	0.005	0.005	r
127-18-4	Tetrachloroethene(sim)	0.050	U	0.050	0.050	r
75-25-2	Bromoform(sim)	0.075	U	0.075	0.075	r
179601-23-1	m,p-Xylene(sim)	0.500	U	0.500	0.500	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.005	U	0.005	0.005	r
100-44-7	Benzyl chloride(sim)	0.250	U	0.250	0.250	r
541-73-1	1,3-Dichlorobenzene(sim)	0.050	U	0.050	0.050	r
106-46-7	1,4-Dichlorobenzene(sim)	0.040	U	0.040	0.040	r
135-98-8	sec-Butylbenzene(sim)	0.250	U	0.250	0.250	r
99-87-6	4-Isopropyltoluene(sim)	0.250	U	0.250	0.250	r
95-50-1	1,2-Dichlorobenzene(sim)	0.050	U	0.050	0.050	r
104-51-8	n-Butylbenzene(sim)	0.250	U	0.250	0.250	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.027	U	0.027	0.027	r
87-68-3	Hexachlorobutadiene(sim)	0.005	U	0.005	0.005	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_05.D
Acq On : 17 Dec 2025 3:44 pm
Operator : Keith
Client ID : CU98036 BLANK
Lab ID : CU98036 BLANK
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 10:26:04 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

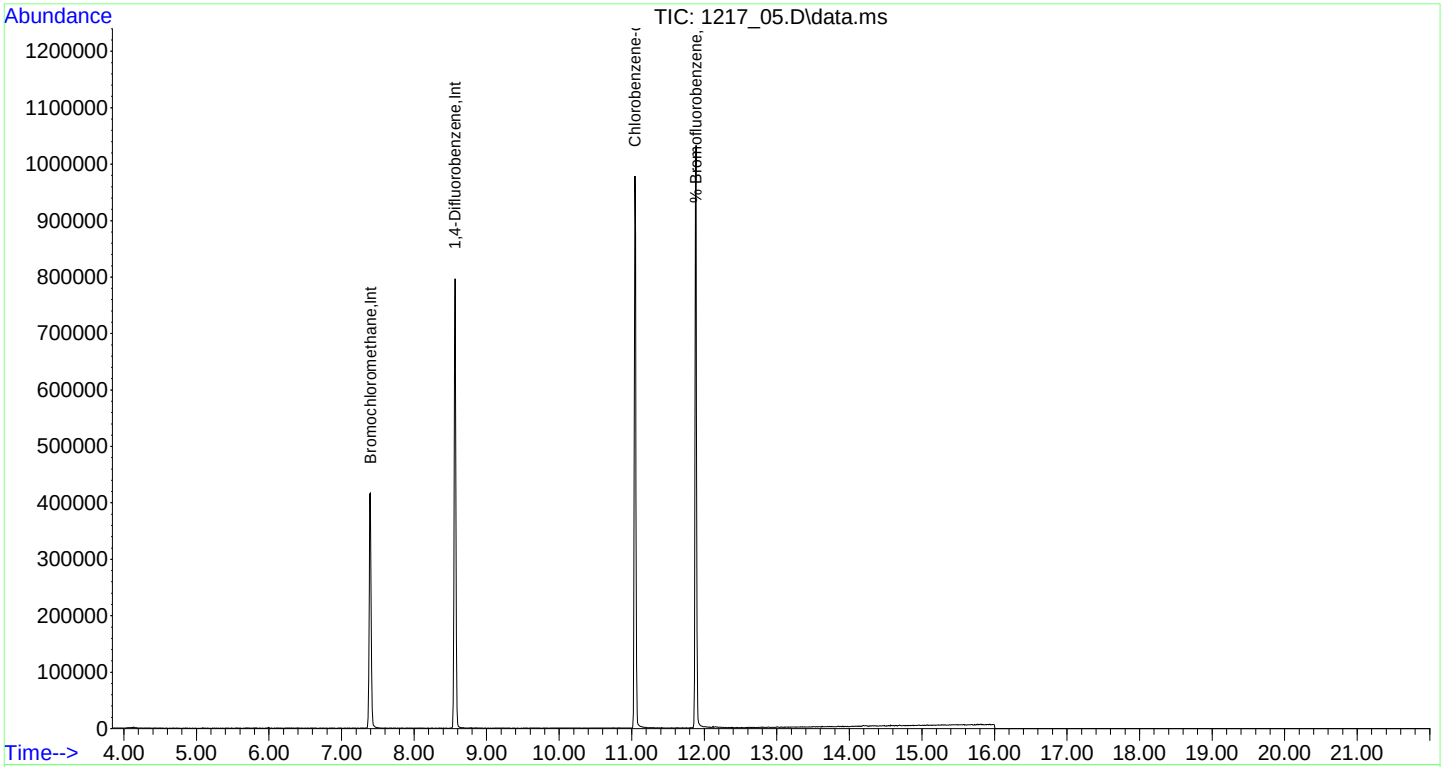
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	170343	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	604295	10.000	ng		0.00
53) Chlorobenzene-d5	11.043	82	270380	10.000	ng		0.00
80) Bromochloromethane(sim)	7.392	130	187386	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	604295	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.043	82	270380	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	306217	9.081	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.80%			
Target Compounds							Qvalue

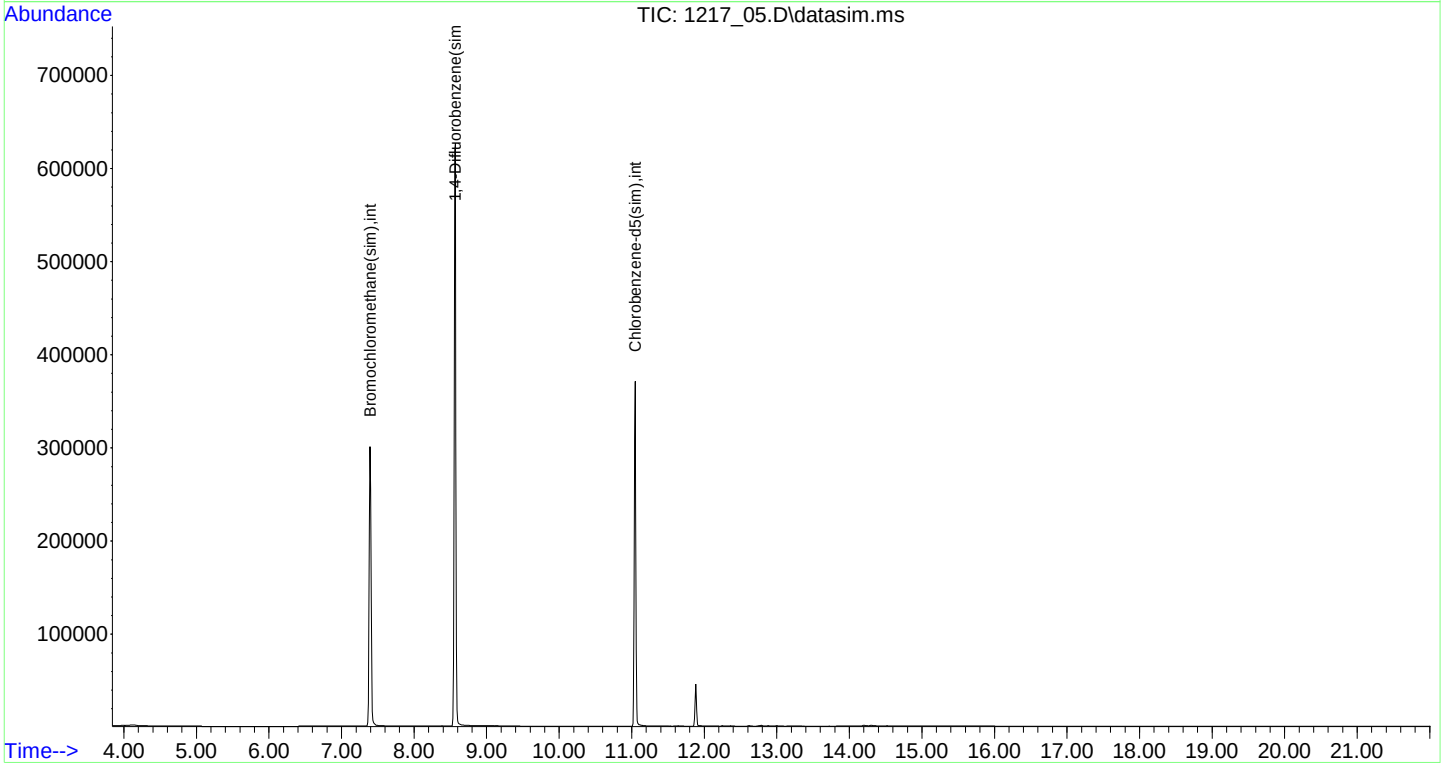
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_05.D
Acq On : 17 Dec 2025 3:44 pm
Operator : Keith
Client ID : CU98036 BLANK
Lab ID : CU98036 BLANK
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 10:26:04 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration





CLIENT ID

AIR ANALYSIS DATA SHEET

CU98036 QC 0.5 X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CU98036 DUP 0.5X

Canister: 28569 Lab File ID: 1217_14.D

Instrument: CHEM24 Column: RTX-1 Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 0.5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.250	U	0.250	0.250	r
75-71-8	Dichlorodifluoromethane	0.495		0.250	0.250	r
74-87-3	Chloromethane	0.547		0.250	0.250	r
106-99-0	1,3-Butadiene	0.250	U	0.250	0.250	r
75-00-3	Chloroethane	0.250	U	0.250	0.250	r
64-17-5	Ethanol	34.3	S	0.375	0.375	r
67-64-1	Acetone	6.28	S	0.375	0.375	r
75-69-4	Trichlorofluoromethane	0.250	U	0.250	0.250	r
67-63-0	Isopropylalcohol	127	S	0.375	0.375	r
107-13-1	Acrylonitrile	0.250	U	0.250	0.250	r
75-09-2	Methylene Chloride	1.50	U	1.50	1.50	r
75-15-0	Carbon Disulfide	0.250	U	0.250	0.250	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.250	U	0.250	0.250	r
78-93-3	Methyl Ethyl Ketone	0.846		0.225	0.225	r
110-54-3	Hexane	0.225	U	0.225	0.225	r
141-78-6	Ethyl acetate	0.250	U	0.250	0.250	r
109-99-9	Tetrahydrofuran	0.867		0.250	0.250	r
71-43-2	Benzene	0.301		0.100	0.100	r
110-82-7	Cyclohexane	0.250	U	0.250	0.250	r
540-84-1	2,2,4-trimethylpentane	0.151		0.100	0.100	r
142-82-5	Heptane	0.250	U	0.250	0.250	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.250	U	0.250	0.250	r
10061-02-6	trans-1,3-Dichloropropene	0.250	U	0.250	0.250	r
108-88-3	Toluene	1.20		0.250	0.250	r
591-78-6	2-Hexanone(MBK)	0.250	U	0.250	0.250	r
630-20-6	1,1,1,2-Tetrachloroethane	0.250	U	0.250	0.250	r
108-90-7	Chlorobenzene	0.100	U	0.100	0.100	r
100-41-4	Ethylbenzene	0.250	U	0.250	0.250	r
179601-23-1	m,p-Xylene	0.500	U	0.500	0.500	r
100-42-5	Styrene	0.100	U	0.100	0.100	r
95-47-6	o-Xylene	0.250	U	0.250	0.250	r
98-82-8	Isopropylbenzene	0.250	U	0.250	0.250	r
622-96-8	4-Ethyltoluene	0.250	U	0.250	0.250	r
108-67-8	1,3,5-Trimethylbenzene	0.250	U	0.250	0.250	r
95-63-6	1,2,4-Trimethylbenzene	0.250	U	0.250	0.250	r
91-20-3	Naphthalene	0.050	U	0.055	0.050	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

CLIENT ID

AIR ANALYSIS DATA SHEET

CU98036 QC 0.5 X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CU98036 DUP 0.5X

Canister: 28569 Lab File ID: 1217_14.D

Instrument: CHEM24 Column: RTX-1 Date Received: 12/17/25

Purge Volume 200 (cc) Date Analyzed: 12/17/25

Matrix: AIR Dilution Factor: 0.5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.050	U	0.050	0.050	r
74-83-9	Bromomethane(sim)	0.070	U	0.070	0.070	r
107-06-2	1,2-Dichloroethane(sim)	0.010	U	0.010	0.010	r
71-55-6	1,1,1-Trichloroethane(sim)	0.250	U	0.250	0.250	r
56-23-5	Carbon Tetrachloride(sim)	0.081		0.043	0.043	r
75-35-4	1,1-Dichloroethene(sim)	0.100	U	0.100	0.100	r
76-13-1	Trichlorotrifluoroethane(sim)	0.250	U	0.250	0.250	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.100	U	0.100	0.100	r
75-34-3	1,1-Dichloroethane(sim)	0.075	U	0.075	0.075	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.100	U	0.100	0.100	r
67-66-3	Chloroform(sim)	0.100	U	0.100	0.100	r
78-87-5	1,2-dichloropropane(sim)	0.010	U	0.010	0.010	r
75-27-4	Bromodichloromethane(sim)	0.010	U	0.010	0.010	r
79-01-6	Trichloroethene(sim)	0.051		0.025	0.025	r
123-91-1	1,4-Dioxane(sim)	0.065	U	0.065	0.065	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.050	U	0.050	0.050	r
79-00-5	1,1,2-Trichloroethane(sim)	0.010	U	0.010	0.010	r
124-48-1	Dibromochloromethane(sim)	0.010	U	0.010	0.010	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.005	U	0.005	0.005	r
127-18-4	Tetrachloroethene(sim)	0.071		0.050	0.050	r
75-25-2	Bromoform(sim)	0.075	U	0.075	0.075	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.005	U	0.005	0.005	r
100-44-7	Benzyl chloride(sim)	0.250	U	0.250	0.250	r
541-73-1	1,3-Dichlorobenzene(sim)	0.050	U	0.050	0.050	r
106-46-7	1,4-Dichlorobenzene(sim)	0.040	U	0.040	0.040	r
135-98-8	sec-Butylbenzene(sim)	0.250	U	0.250	0.250	r
99-87-6	4-Isopropyltoluene(sim)	0.250	U	0.250	0.250	r
95-50-1	1,2-Dichlorobenzene(sim)	0.050	U	0.050	0.050	r
104-51-8	n-Butylbenzene(sim)	0.250	U	0.250	0.250	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.027	U	0.027	0.027	r
87-68-3	Hexachlorobutadiene(sim)	0.005	U	0.005	0.005	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_14.D
Acq On : 17 Dec 2025 11:26 pm
Operator : Keith
Client ID : CU98036 QC 0.5 X
Lab ID : CU98036 DUP 0.5 X
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 18 10:30:03 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration

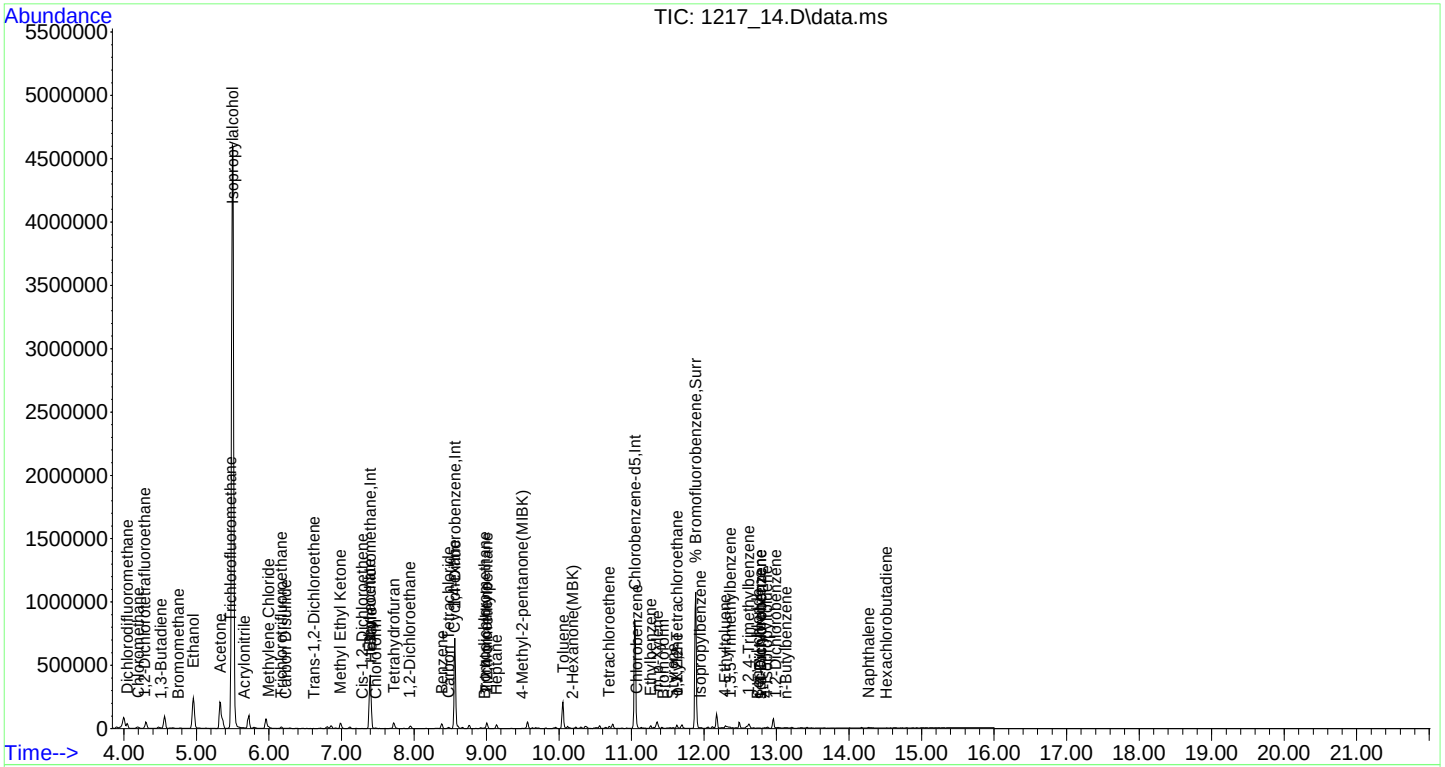
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.398	130	151352	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.565	114	517221	10.000	ng		0.00
53) Chlorobenzene-d5	11.043	82	239620	10.000	ng		0.00
80) Bromochloromethane(sim)	7.401	130	166307	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.565	114	517221	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	11.043	82	239620	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.885	95	308952	10.339	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.40%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	4.045	85	40013	0.989	ppbv	#	95
4) Chloromethane	4.195	50	13590	1.094	ppbv		97
11) Ethanol	4.957	45	300672	68.638	ppbv	#	92
12) Acetone	5.325	43	264141	12.562	ppbv		98
13) Trichlorofluoromethane	5.472	101	18348	0.431	ppbv		97
14) Isopropylalcohol	5.497	45	6327493	253.486	ppbv	#	95
17) Methylene Chloride	5.997	49	6879	0.379	ppbv	#	63
21) Trichlorotrifluoroethane	6.170	101	4977	0.133	ppbv		90
25) Methyl Ethyl Ketone	6.984	43	48343	1.692	ppbv	#	83
27) Hexane	7.406	57	10076	0.448	ppbv	#	91
30) Tetrahydrofuran	7.722	42	24647	1.733	ppbv	#	62
33) Benzene	8.383	78	30359	0.601	ppbv	#	91
34) Carbon Tetrachloride	8.478	117	5480	0.146	ppbv		95
35) Cyclohexane	8.556	84	8825	0.406	ppbv	#	69
39) Trichloroethene	8.997	130	3013	0.121	ppbv		96
43) Heptane	9.136	43	10252	0.419	ppbv	#	82
48) Toluene	10.056	91	135732	2.392	ppbv		97
52) Tetrachloroethene	10.689	166	4966	0.152	ppbv		92
57) m,p-Xylene	11.354	91	33210	0.642	ppbv		97
87] Benzene(sim)	8.383	78	30359	0.584	ppbv	#	91
88] Carbon Tetrachloride(sim)	8.481	117	6142	0.161	ppbv		99
97] Bromodichloromethane(sim)	8.972	83	741	0.020	ppbv	#	27
98] Trichloroethene(sim)	9.000	130	3221	0.101	ppbv		100
104] Tetrachloroethene(sim)	10.692	166	5430	0.141	ppbv		93
118] Hexachlorobutadiene(sim)	14.515	225	461	0.009	ppbv		98

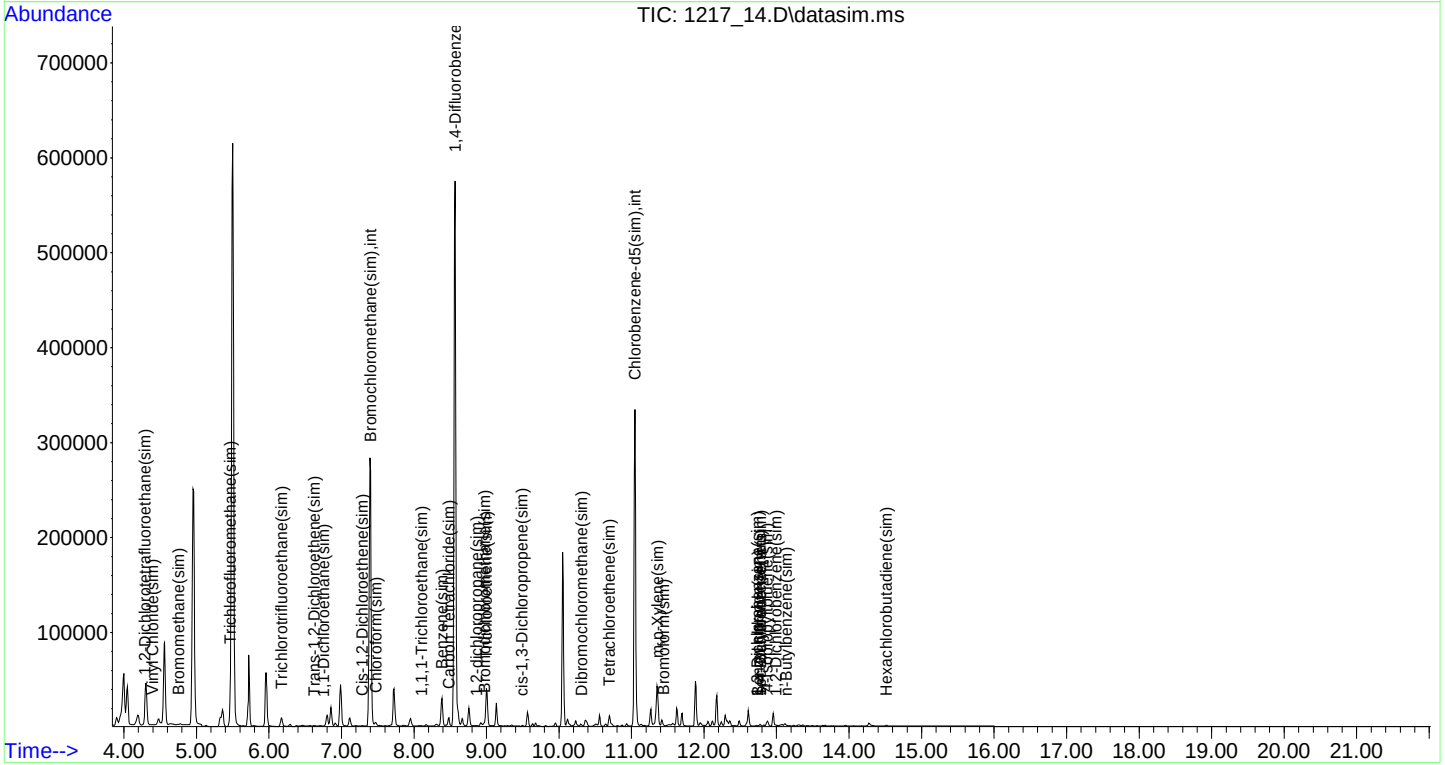
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

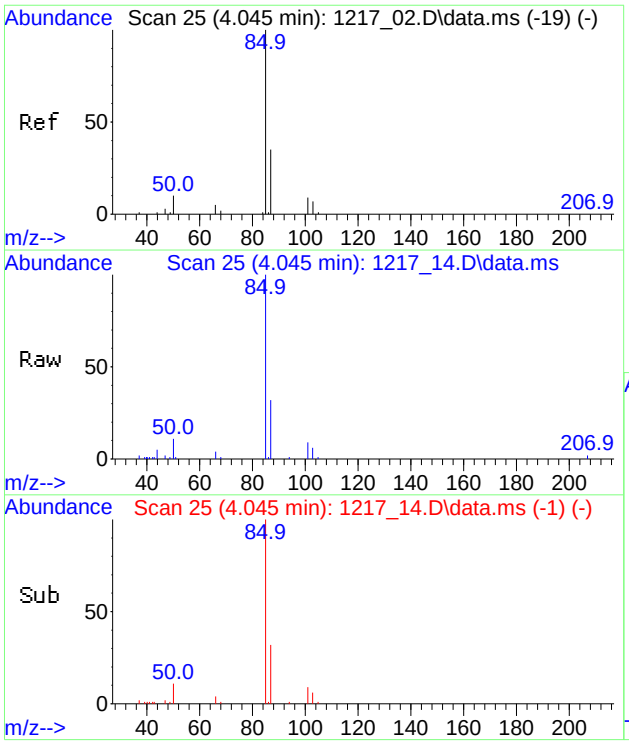
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\12DEC\17\
Data File : 1217_14.D
Acq On : 17 Dec 2025 11:26 pm
Operator : Keith
Client ID : CU98036 QC 0.5 X
Lab ID : CU98036 DUP 0.5 X
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 18 10:30:03 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:17:34 2025
Response via : Initial Calibration



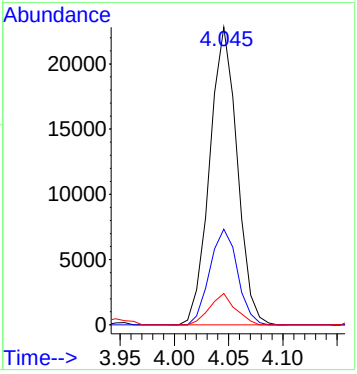


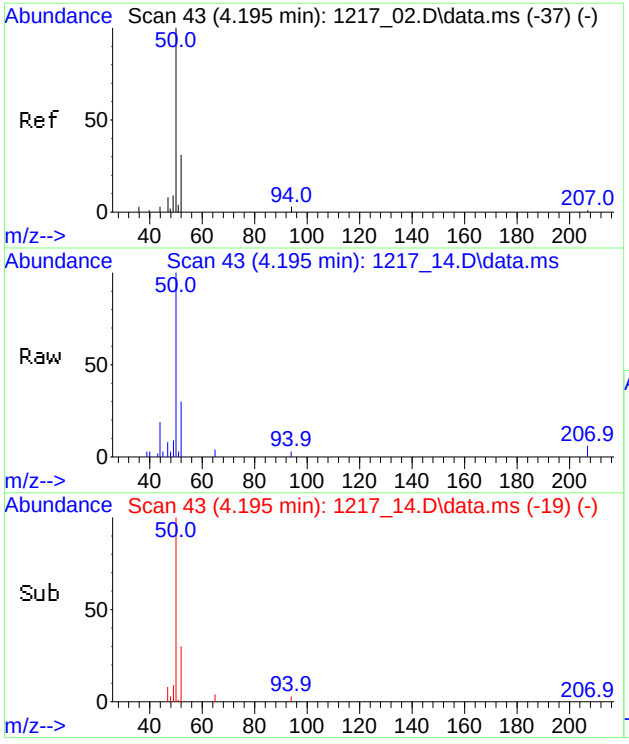


#3
Dichlorodifluoromethane
Conc: 8$ 0.989 ppbv
RT: 4.045 min Scan# 25
Delta R.T. 0.000 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 85 Resp: 40013

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.9	40.3
50	9.9	12.0	18.0#

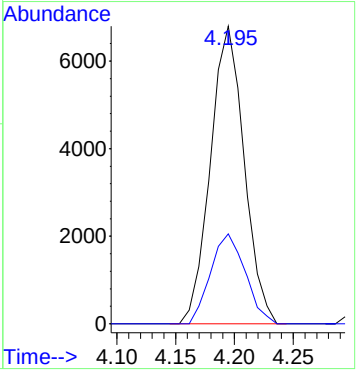


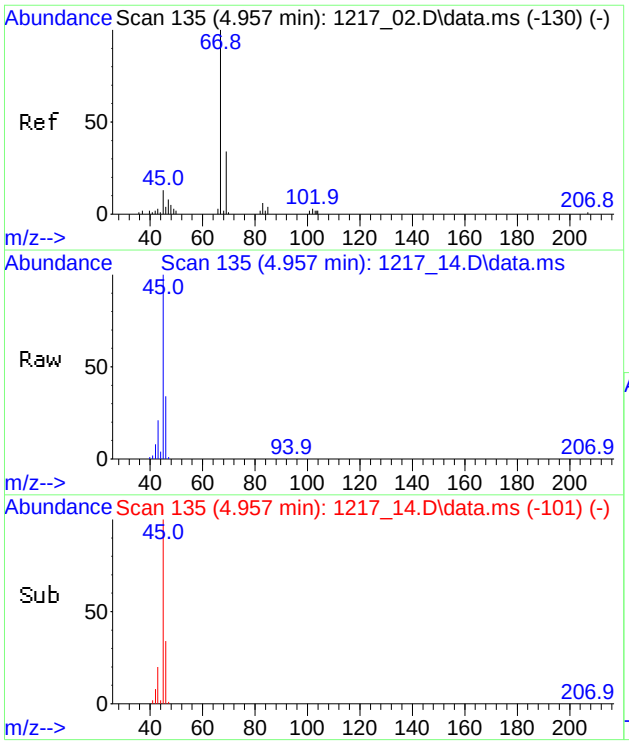


#4
Chloromethane
Conc: 8$ 1.094 ppbv
RT: 4.195 min Scan# 43
Delta R.T. -0.000 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 50 Resp: 13590

Ion	Ratio	Lower	Upper
50	100		
52	31.1	12.8	52.8

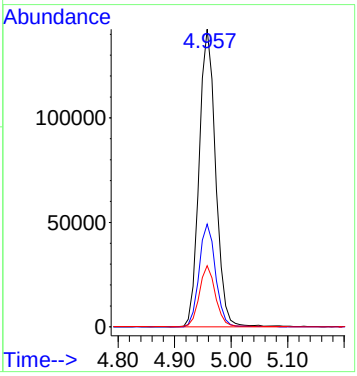


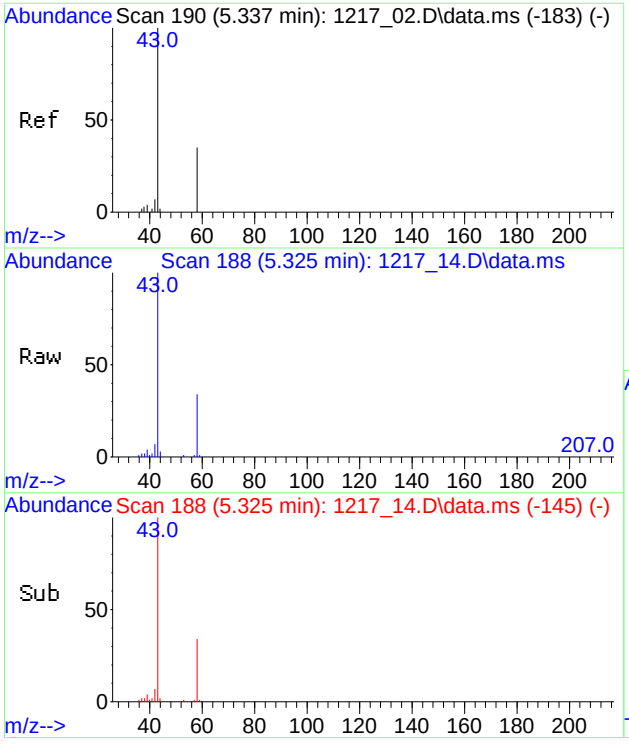


#11
Ethanol
Conc: 8$ 68.638 ppbv
RT: 4.957 min Scan# 135
Delta R.T. -0.017 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 45 Resp: 300672

Ion	Ratio	Lower	Upper
45	100		
46	35.0	25.0	37.6
43	20.0	20.0	30.0#

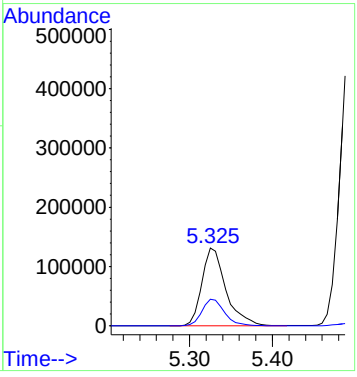


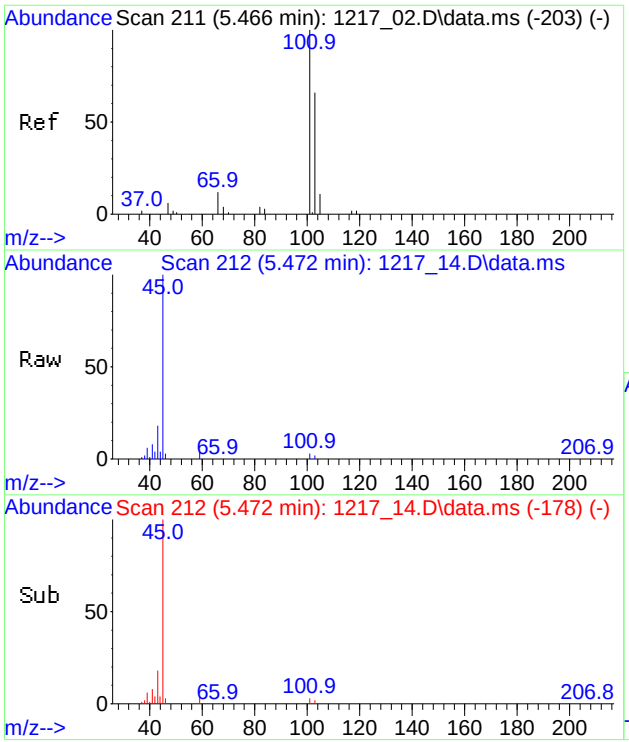


#12
Acetone
Conc: 8$ 12.562 ppbv
RT: 5.325 min Scan# 188
Delta R.T. -0.018 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 43 Resp: 264141

Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.6	37.0

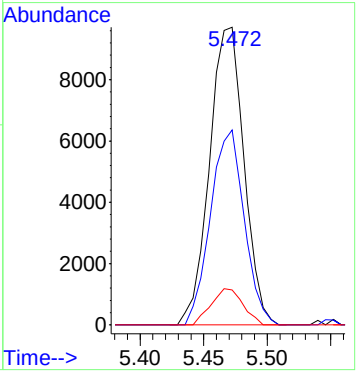


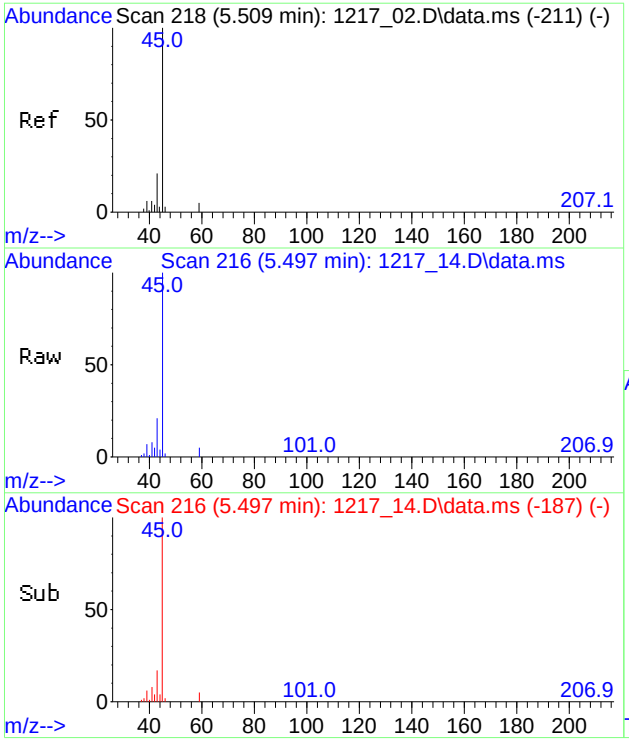


#13
Trichlorofluoromethane
Conc: 8$ 0.431 ppbv
RT: 5.472 min Scan# 212
Delta R.T. 0.006 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion:101 Resp: 18348

Ion	Ratio	Lower	Upper
101	100		
103	64.1	53.4	80.2
66	11.2	9.3	13.9

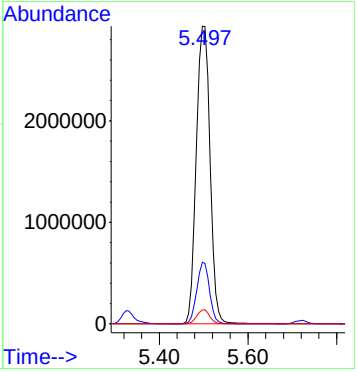


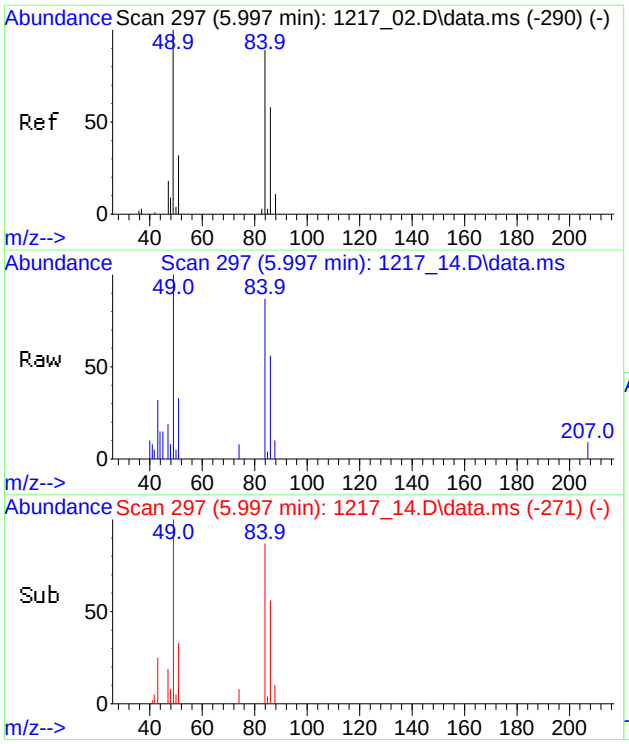


#14
Isopropylalcohol
Conc: 8$ 253.486 ppbv
RT: 5.497 min Scan# 216
Delta R.T. -0.024 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 45 Resp: 6327493

Ion	Ratio	Lower	Upper
45	100		
43	19.1	13.3	19.9
59	4.4	2.6	4.0#

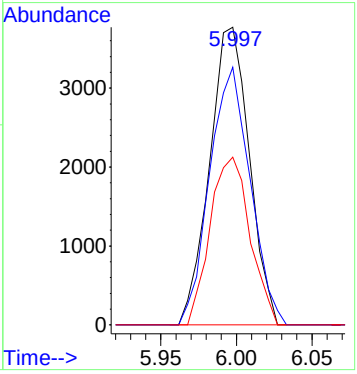


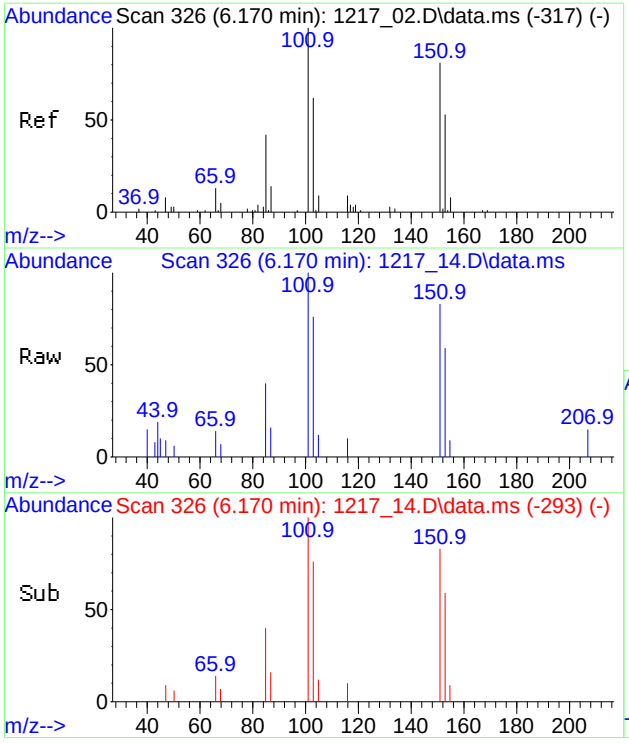


#17
Methylene Chloride
Conc: 8$ 0.379 ppbv
RT: 5.997 min Scan# 297
Delta R.T. 0.006 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 49 Resp: 6879

Ion	Ratio	Lower	Upper
49	100		
84	88.4	46.1	69.1#
86	56.5	30.9	46.3#

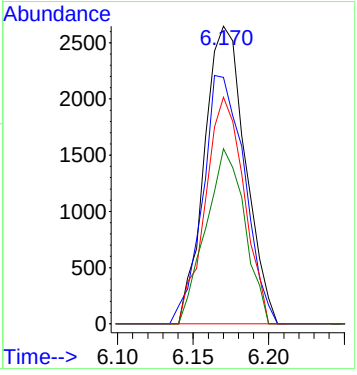


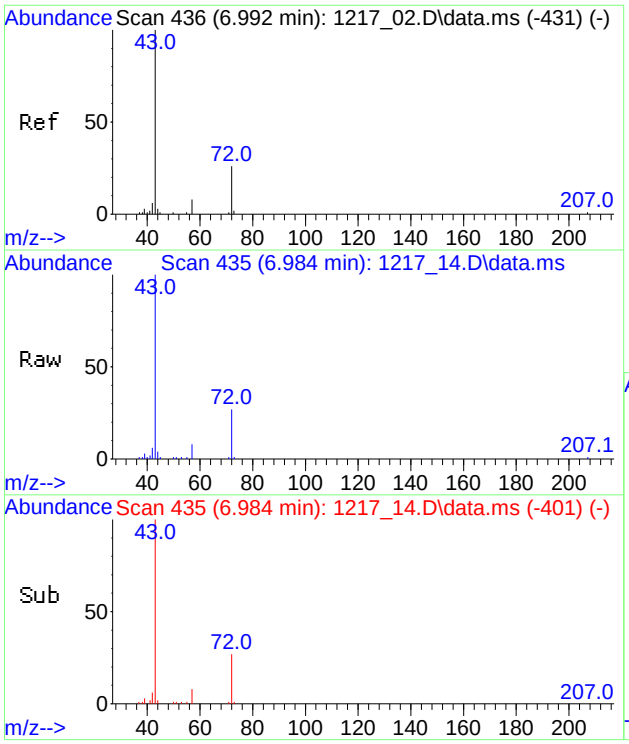


#21
Trichlorotrifluoroethane
Conc: 8$ Below Cal
RT: 6.170 min Scan# 326
Delta R.T. -0.006 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion:101 Resp: 4977

Ion	Ratio	Lower	Upper
101	100		
151	85.0	78.2	117.2
103	71.8	53.1	79.7
153	55.9	49.2	73.8

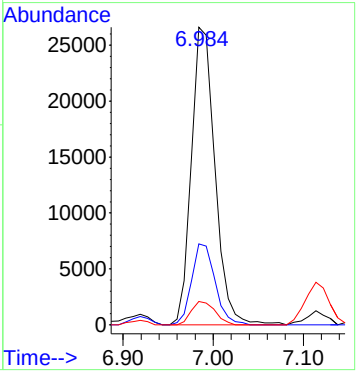


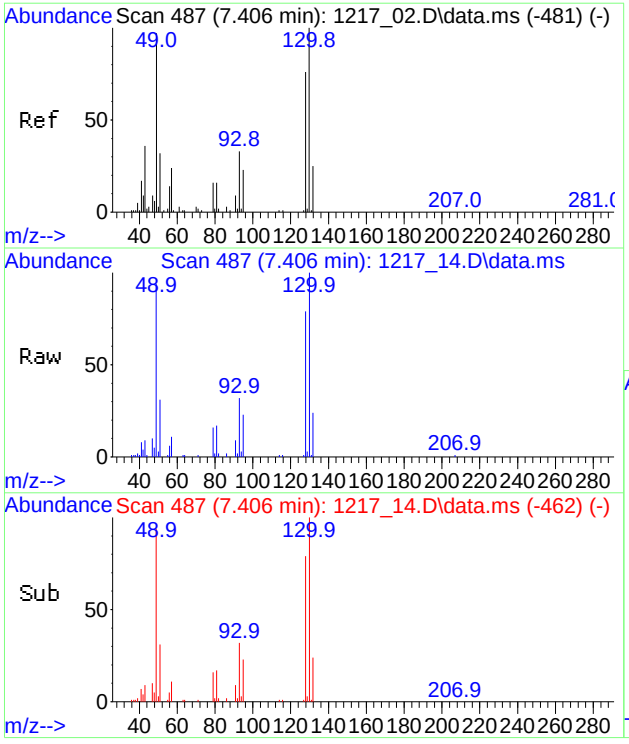


#25
Methyl Ethyl Ketone
Conc: 8$ 1.692 ppbv
RT: 6.984 min Scan# 435
Delta R.T. -0.024 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 43 Resp: 48343

Ion	Ratio	Lower	Upper
43	100		
72	27.0	13.1	19.7#
57	7.9	6.6	9.8

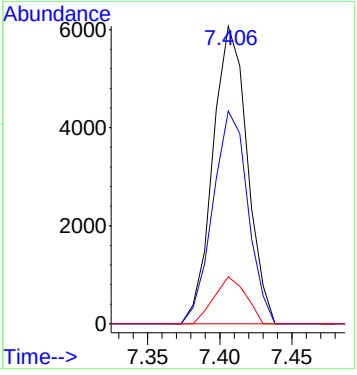


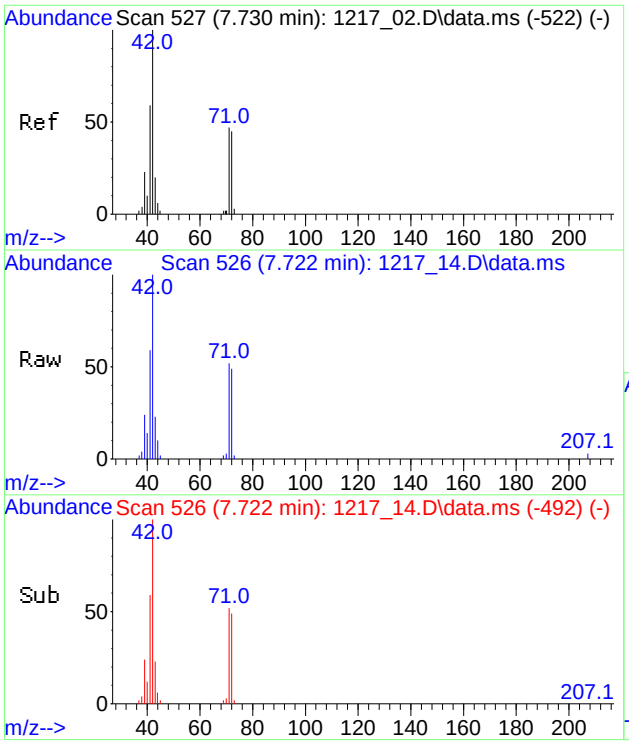


#27
Hexane
Conc: 8$ 0.448 ppbv
RT: 7.406 min Scan# 487
Delta R.T. -0.000 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 57 Resp: 10076

Ion	Ratio	Lower	Upper
57	100		
41	72.7	63.4	95.2
86	14.5	5.8	8.6#

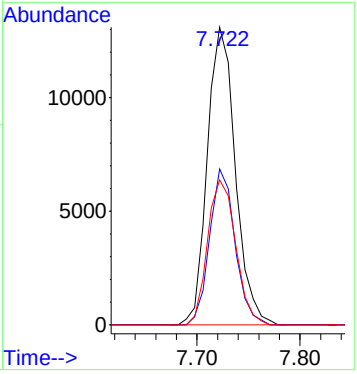


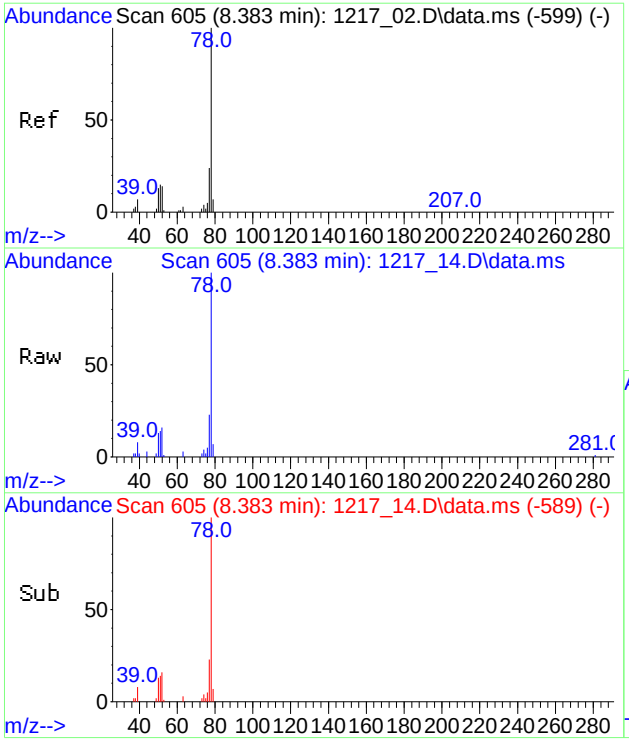


#30
Tetrahydrofuran
Conc: 8$ 1.733 ppbv
RT: 7.722 min Scan# 526
Delta R.T. -0.024 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 42 Resp: 24647

Ion	Ratio	Lower	Upper
42	100		
71	47.6	23.5	35.3#
72	48.8	21.5	32.3#

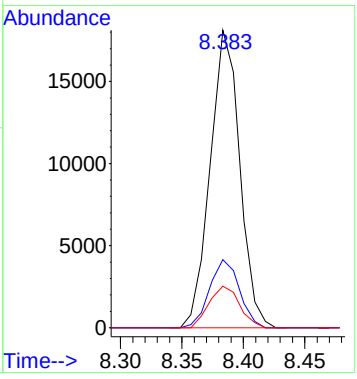


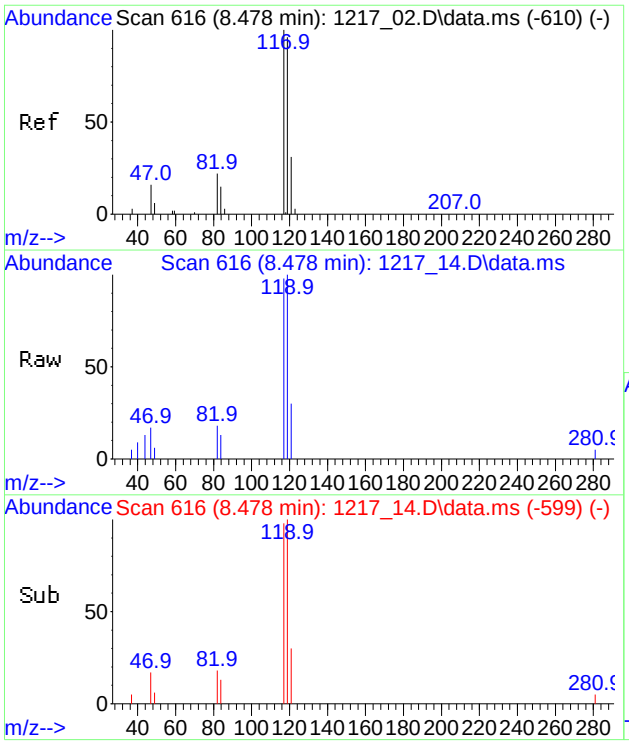


#33
Benzene
Conc: 8$ 0.601 ppbv
RT: 8.383 min Scan# 605
Delta R.T. 0.000 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 78 Resp: 30359

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2
51	14.5	18.1	27.1#

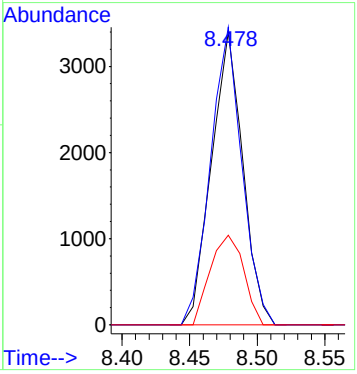


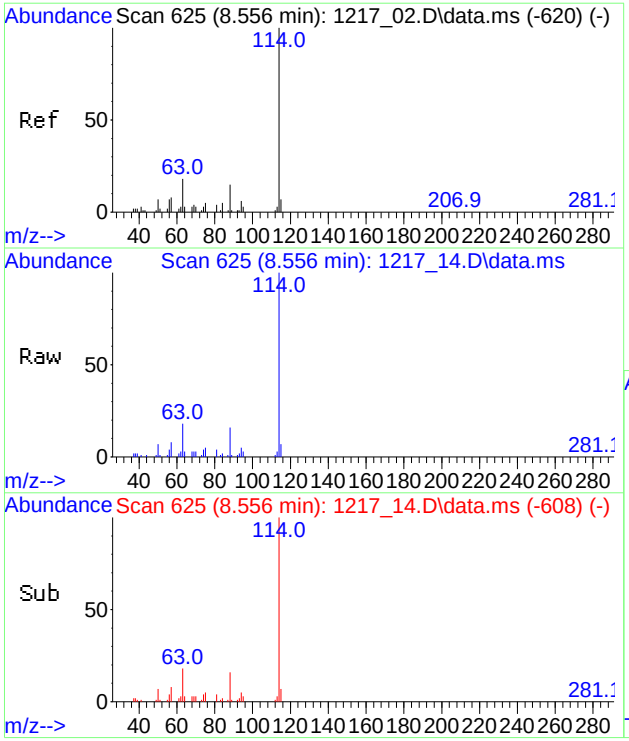


#34
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 8.478 min Scan# 616
Delta R.T. 0.000 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion:117 Resp: 5480

Ion	Ratio	Lower	Upper
117	100		
119	101.9	76.5	116.5
121	32.6	11.2	51.2

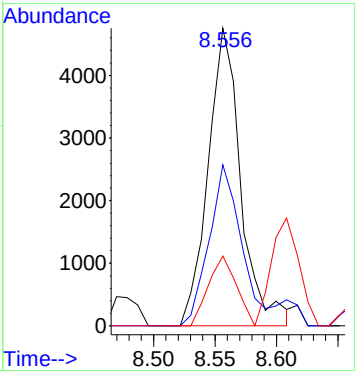


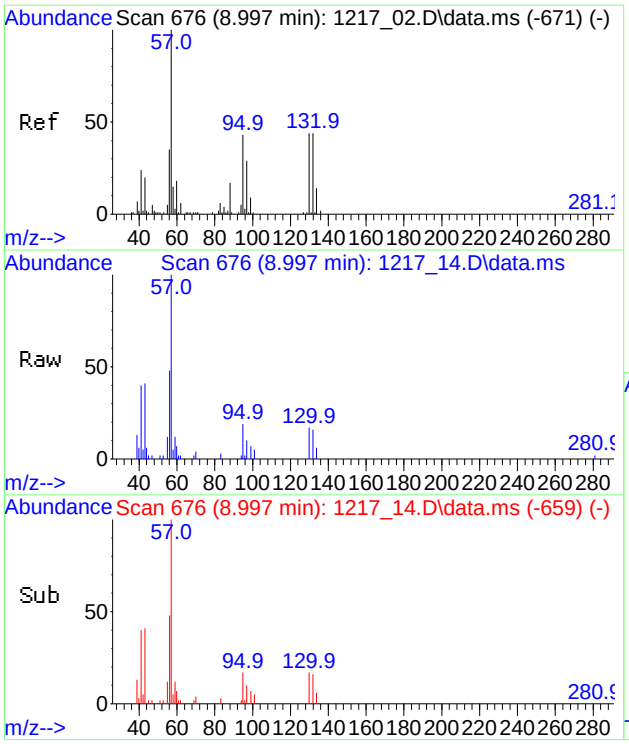


#35
Cyclohexane
Conc: 8$ 0.406 ppbv
RT: 8.556 min Scan# 625
Delta R.T. 0.000 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 84 Resp: 8825

Ion	Ratio	Lower	Upper
84	100		
55	53.0	63.1	94.7#
42	20.1	33.3	49.9#

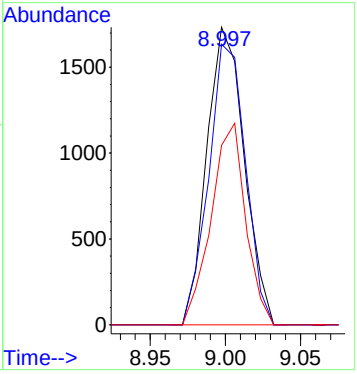


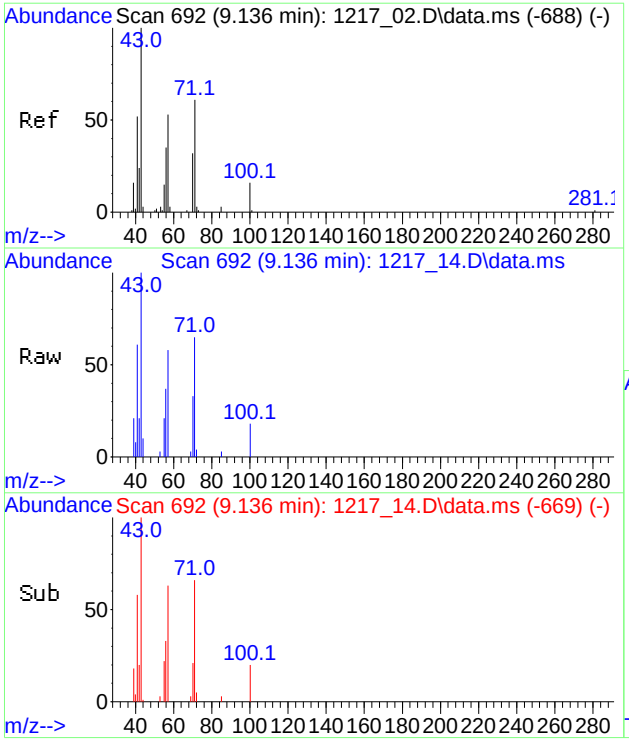


#39
Trichloroethene
Conc: 8$ Below Cal
RT: 8.997 min Scan# 676
Delta R.T. 0.000 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion:130 Resp: 3013

Ion	Ratio	Lower	Upper
130	100		
132	92.9	77.9	116.9
97	62.3	48.3	72.5

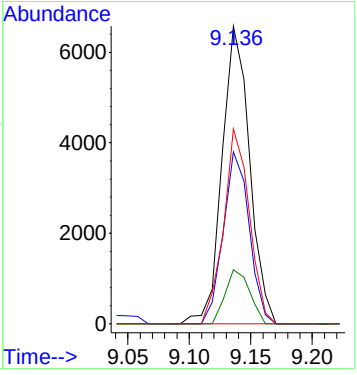


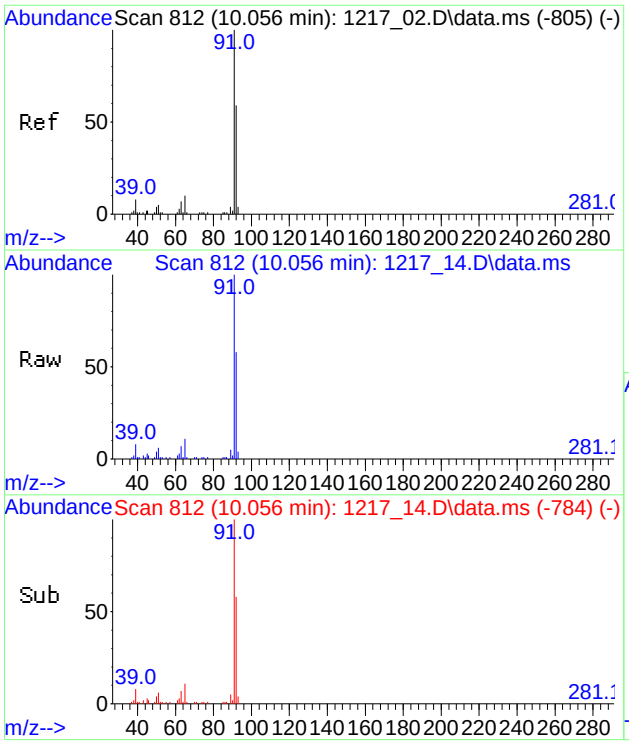


#43
Heptane
Conc: 8$ 0.419 ppbv
RT: 9.136 min Scan# 692
Delta R.T. -0.000 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 43 Resp: 10252

Ion	Ratio	Lower	Upper
43	100		
57	54.4	42.4	63.6
71	61.0	29.4	44.0#
100	16.0	6.5	9.7#

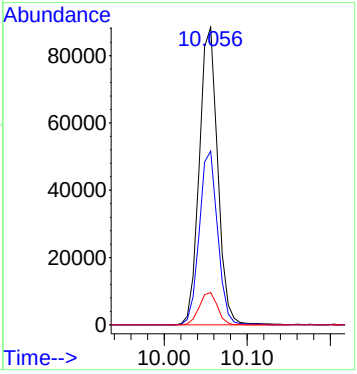


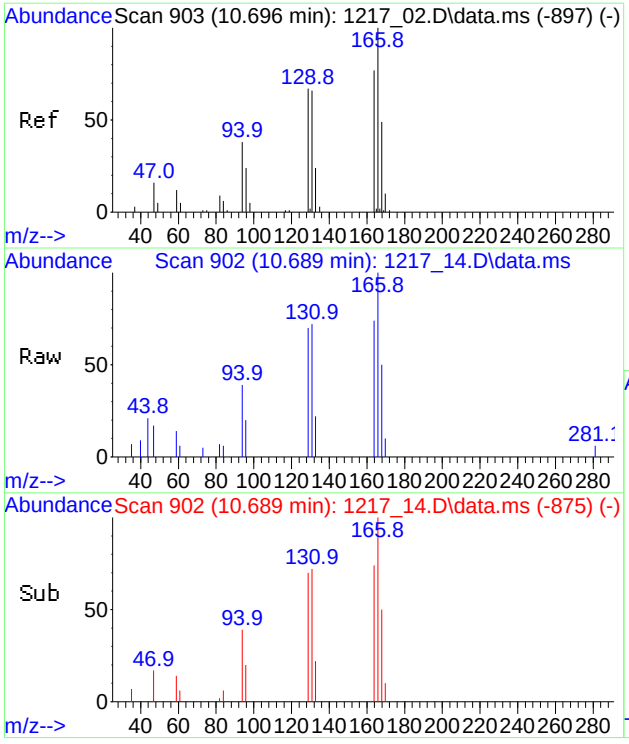


#48
Toluene
Conc: 8$ 2.392 ppbv
RT: 10.056 min Scan# 812
Delta R.T. -0.000 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 91 Resp: 135732

Ion	Ratio	Lower	Upper
91	100		
92	58.2	45.0	67.4
65	10.8	9.4	14.2

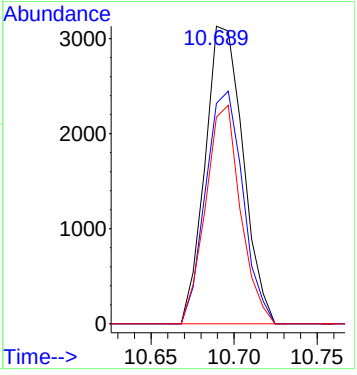


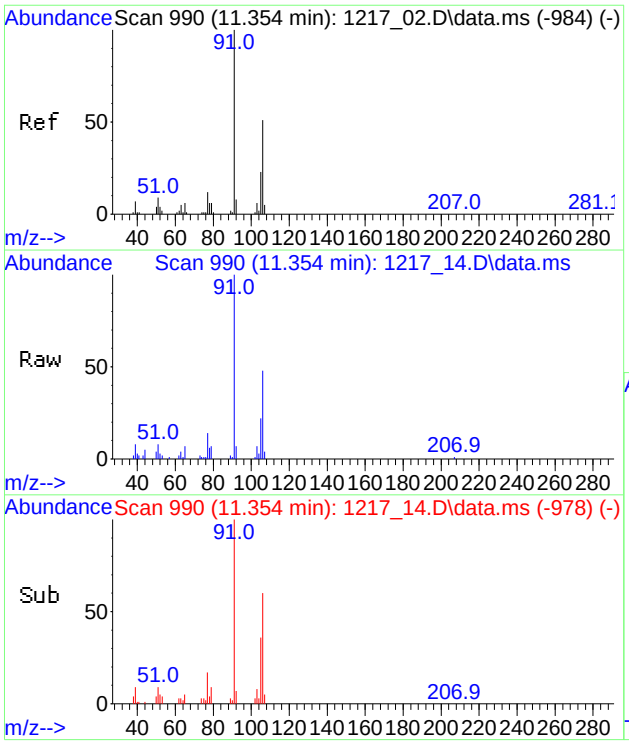


#52
Tetrachloroethene
Conc: 8$ 0.152 ppbv
RT: 10.689 min Scan# 902
Delta R.T. -0.007 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion:166 Resp: 4966

Ion	Ratio	Lower	Upper
166	100		
164	76.9	64.7	97.1
129	67.5	62.2	93.2

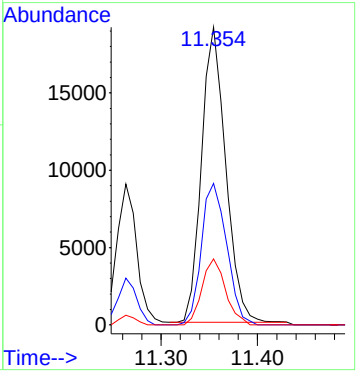


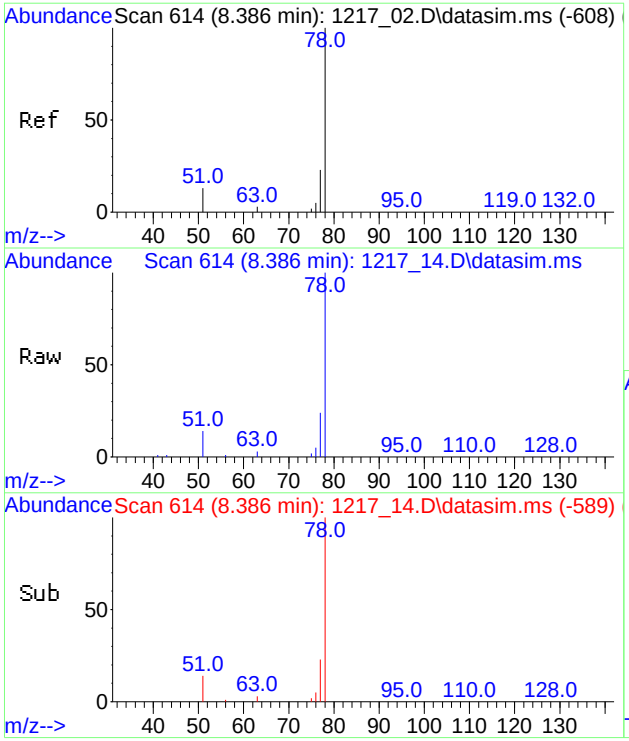


#57
m,p-Xylene
Conc: 8$ 0.642 ppbv
RT: 11.354 min Scan# 990
Delta R.T. -0.008 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 91 Resp: 33210

Ion	Ratio	Lower	Upper
91	100		
106	50.1	41.1	61.7
105	21.7	19.5	29.3

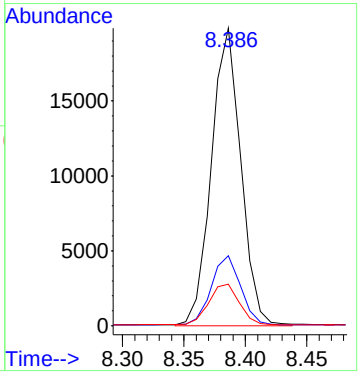


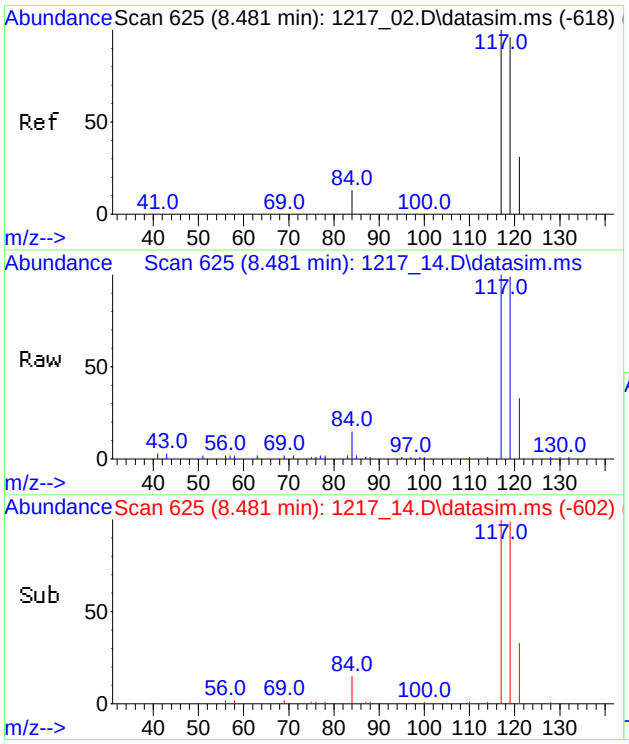


#87
Benzene(sim)
Conc: 8$ 0.584 ppbv
RT: 8.383 min Scan# 614
Delta R.T. 0.000 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 78 Resp: 30359

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2
51	14.5	18.1	27.1#

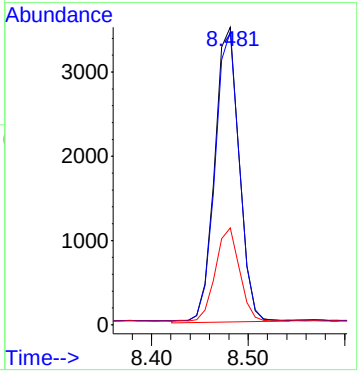


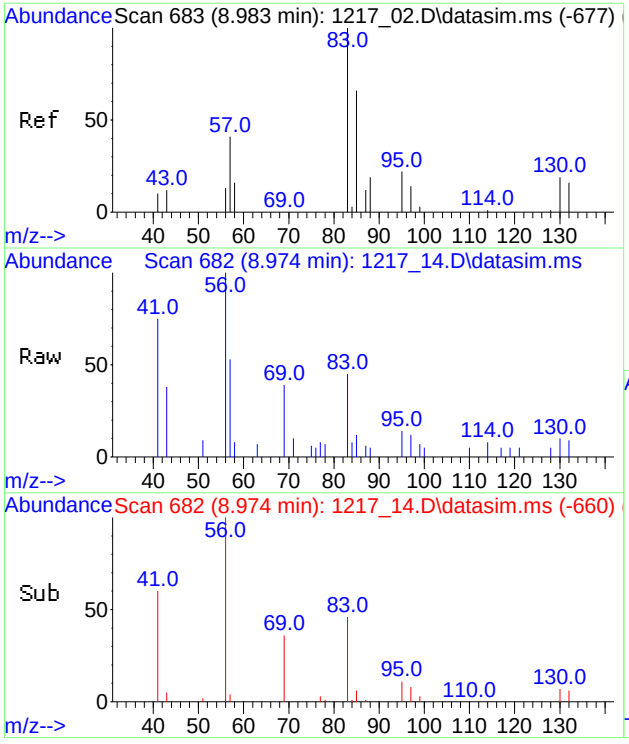


#88
Carbon Tetrachloride(sim)
Conc: 8$ 0.161 ppbv
RT: 8.481 min Scan# 625
Delta R.T. 0.000 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion:117 Resp: 6142

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.4	116.2
121	30.9	24.9	37.3

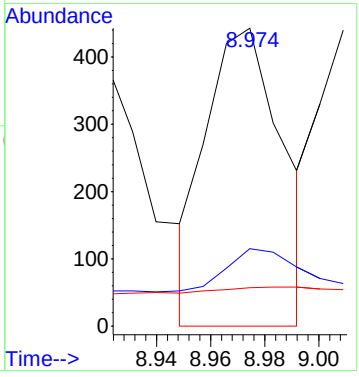


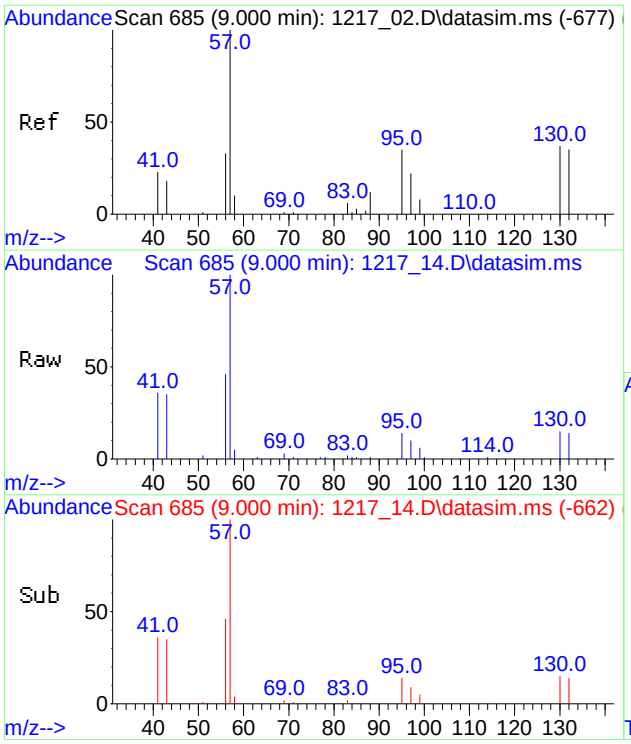


#97
Bromodichloromethane(sim)
Conc: 8$ Below Cal
RT: 8.972 min Scan# 682
Delta R.T. -0.008 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion: 83 Resp: 741

Ion	Ratio	Lower	Upper
83	100		
85	0.0	44.0	84.0#
87	0.0	0.0	33.1

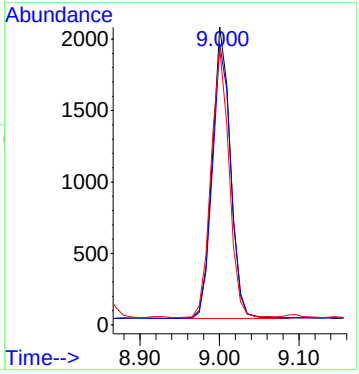


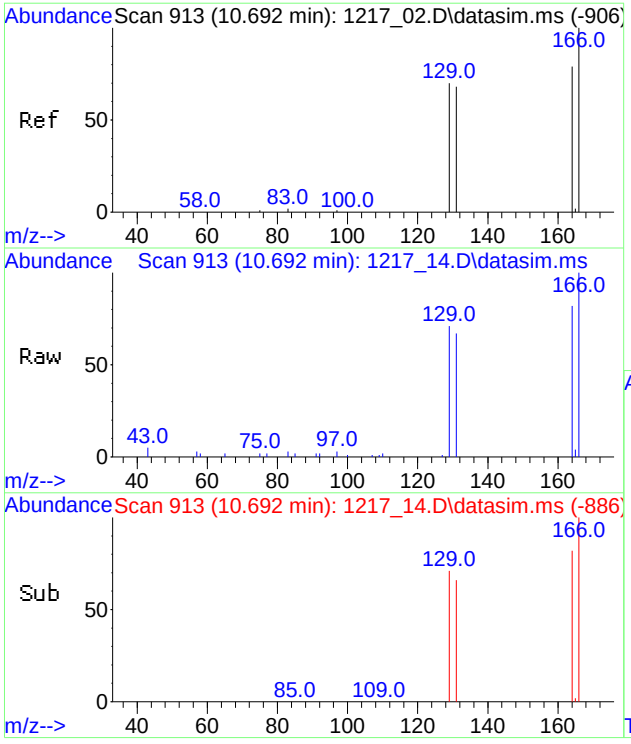


#98
Trichloroethene(sim)
Conc: 8$ 0.101 ppbv
RT: 9.000 min Scan# 685
Delta R.T. 0.000 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion:130 Resp: 3221

Ion	Ratio	Lower	Upper
130	100		
132	96.3	77.5	116.3
95	92.4	73.8	110.6

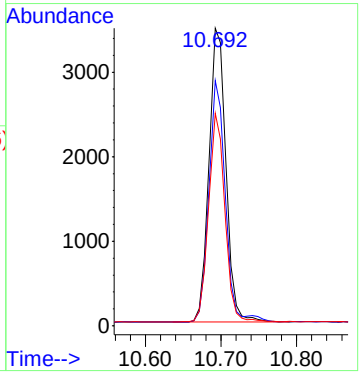


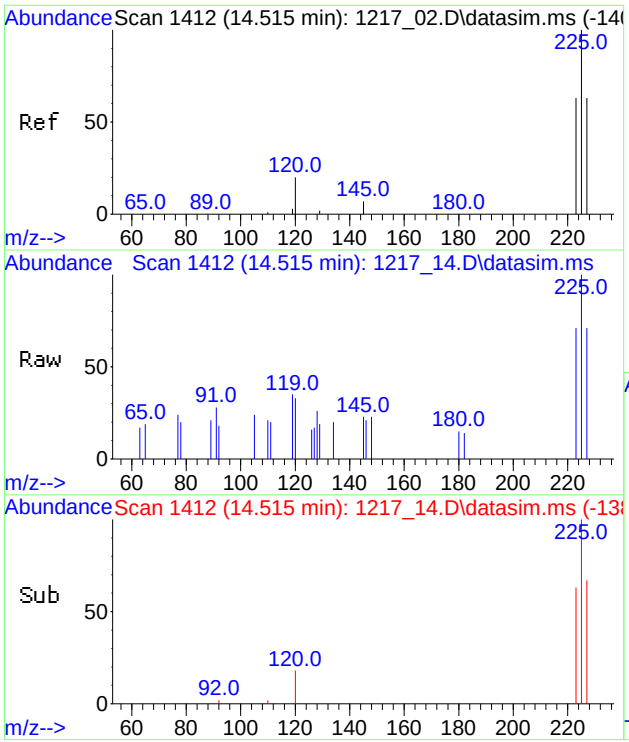


#104
Tetrachloroethene(sim)
Conc: 8$ 0.141 ppbv
RT: 10.692 min Scan# 913
Delta R.T. -0.007 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion:166 Resp: 5430

Ion	Ratio	Lower	Upper
166	100		
164	80.0	58.0	98.0
129	68.5	58.0	98.0

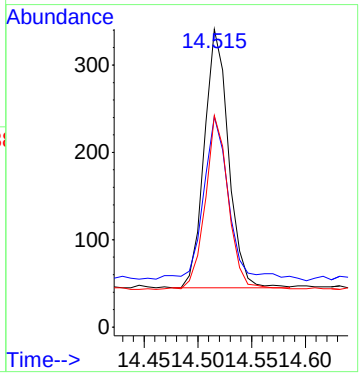




#118
Hexachlorobutadiene(sim)
Conc: 8$ Below Cal
RT: 14.515 min Scan# 1412
Delta R.T. 0.000 min
Lab File: 1217_14.D
Acq: 17 Dec 2025 11:26 pm

Tgt Ion:225 Resp: 461

Ion	Ratio	Lower	Upper
225	100		
223	68.5	52.0	78.0
227	65.1	52.2	78.4



AIR ANALYSIS DATA SHEET

CLIENT ID: CANISTER BLK 4214

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CANISTER BLK 4214

Canister: CANBL Lab File ID: 1208_07.D

Instrument: CHEM39 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 12/08/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	0.421	U	0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 4214

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCU98124 Lab Sample ID: CANISTER BLK 4214

Canister: CANBL Lab File ID: 1208_07.D

Instrument: CHEM39 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 12/08/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Batch Canister Certification

January 12, 2026

Batch Id: 4214

QC Canister Id: 788

SDG ID: GCU98124

Sample Canister Ids: 23336, 53474, 7635

Certification Date: 12/08/25 5:06 PM

Data File: H:\AIR2025\CHEM39\12DEC\08\1208_07.D\1208_07-39_AIR_1116.rr

Project ID: 5801 AMBOY ROAD

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1,2-Tetrachloroethane	<0.146	1,1,1-Trichloroethane	<0.183
1,1,2,2-Tetrachloroethane	<0.146	1,1,2-Trichloroethane	<0.183
1,1-Dichloroethane	<0.247	1,1-Dichloroethene	<0.051
1,2,4-Trichlorobenzene	<0.135	1,2,4-Trimethylbenzene	<0.204
1,2-Dibromoethane(EDB)	<0.130	1,2-Dichlorobenzene	<0.166
1,2-Dichloroethane	<0.247	1,2-dichloropropane	<0.217
1,2-Dichlorotetrafluoroethane	<0.143	1,3,5-Trimethylbenzene	<0.204
1,3-Butadiene	<0.452	1,3-Dichlorobenzene	<0.166
1,4-Dichlorobenzene	<0.166	1,4-Dioxane	<0.278
2-Hexanone(MBK)	<0.244	4-Ethyltoluene	<0.204
4-Isopropyltoluene	<0.182	4-Methyl-2-pentanone(MIBK)	<0.244
Acetone	<0.421	Acrylonitrile	<0.461
Benzene	<0.313	Benzyl chloride	<0.193
Bromodichloromethane	<0.149	Bromoform	<0.097
Bromomethane	<0.258	Carbon Disulfide	<0.321
Carbon Tetrachloride	<0.032	Chlorobenzene	<0.217
Chloroethane	<0.379	Chloroform	<0.205
Chloromethane	<0.485	Cis-1,2-Dichloroethene	<0.051
cis-1,3-Dichloropropene	<0.220	Cyclohexane	<0.291
Dibromochloromethane	<0.117	Dichlorodifluoromethane	<0.202
Ethanol	<0.531	Ethyl acetate	<0.278
Ethylbenzene	<0.230	Heptane	<0.244
Hexachlorobutadiene	<0.094	Hexane	<0.284
Isooctane	<0.215	Isopropylalcohol	<0.407
Isopropylbenzene	<0.204	m,p-Xylene	<0.230
Methyl Ethyl Ketone	<0.339	Methyl tert-butyl ether(MTBE)	<0.278
Methylene Chloride	<0.863	Naphthalene	<0.200
n-Butylbenzene	<0.182	o-Xylene	<0.230
Propylene	<0.581	sec-Butylbenzene	<0.182
Styrene	<0.235	Tetrachloroethene	<0.037
Tetrahydrofuran	<0.339	Toluene	<0.266
Trans-1,2-Dichloroethene	<0.252	trans-1,3-Dichloropropene	<0.220
Trichloroethene	<0.037	Trichlorofluoromethane	<0.178
Trichlorotrifluoroethane	<0.131	Vinyl Chloride	<0.078

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\08\
Data File : 1208_07.D
Acq On : 8 Dec 2025 5:06 pm
Operator :
Client ID : CANISTER BLK 4214
Lab ID : CANISTER BLK 4214
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 09 08:13:44 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

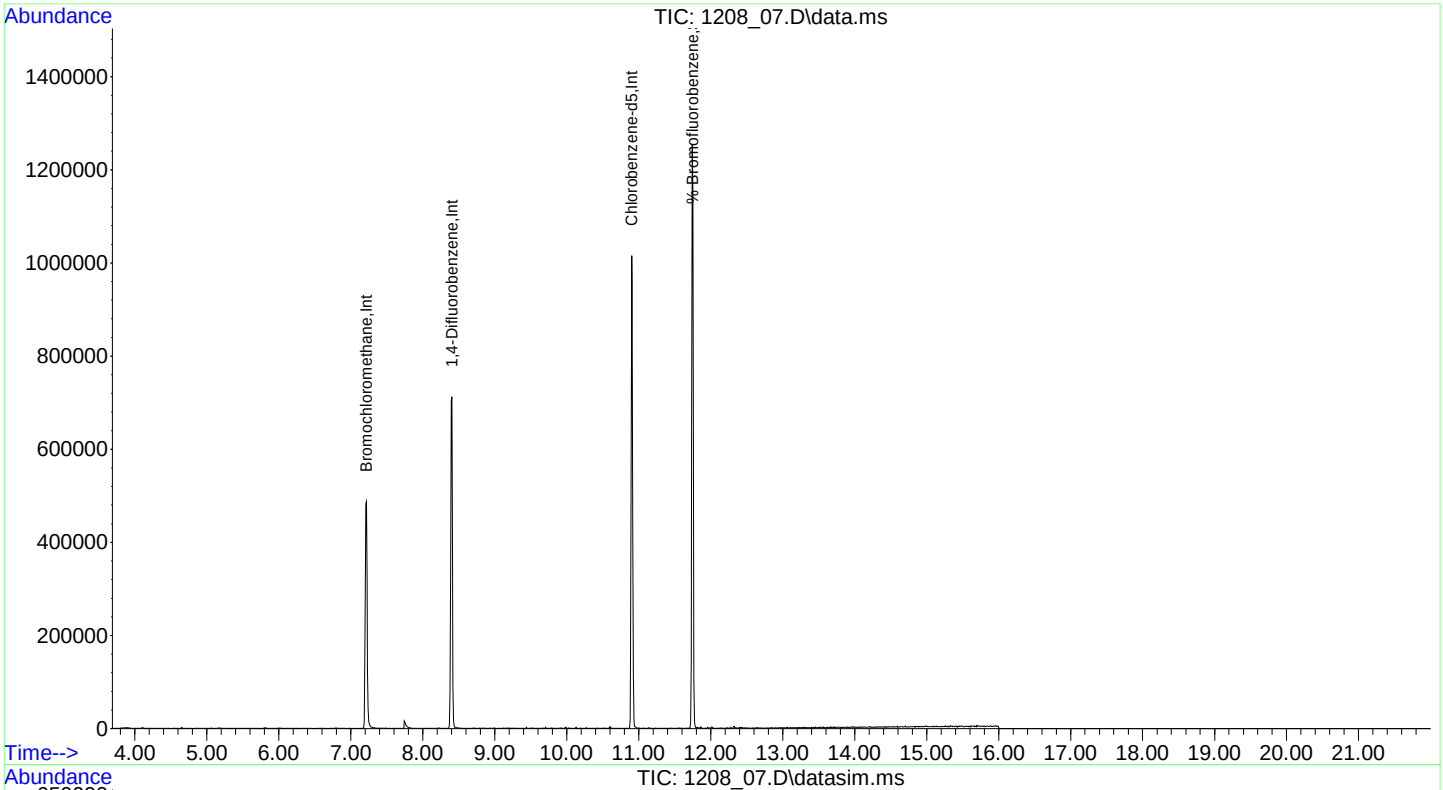
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.217	130	123295	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.403	114	422981	10.000	ng		0.00
53) Chlorobenzene-d5	10.902	82	210769	10.000	ng	#	0.00
80) Bromochloromethane(sim)	7.212	130	122977	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.403	114	422981	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.902	82	210769	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	287538	9.996	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%				
Target Compounds							Qvalue

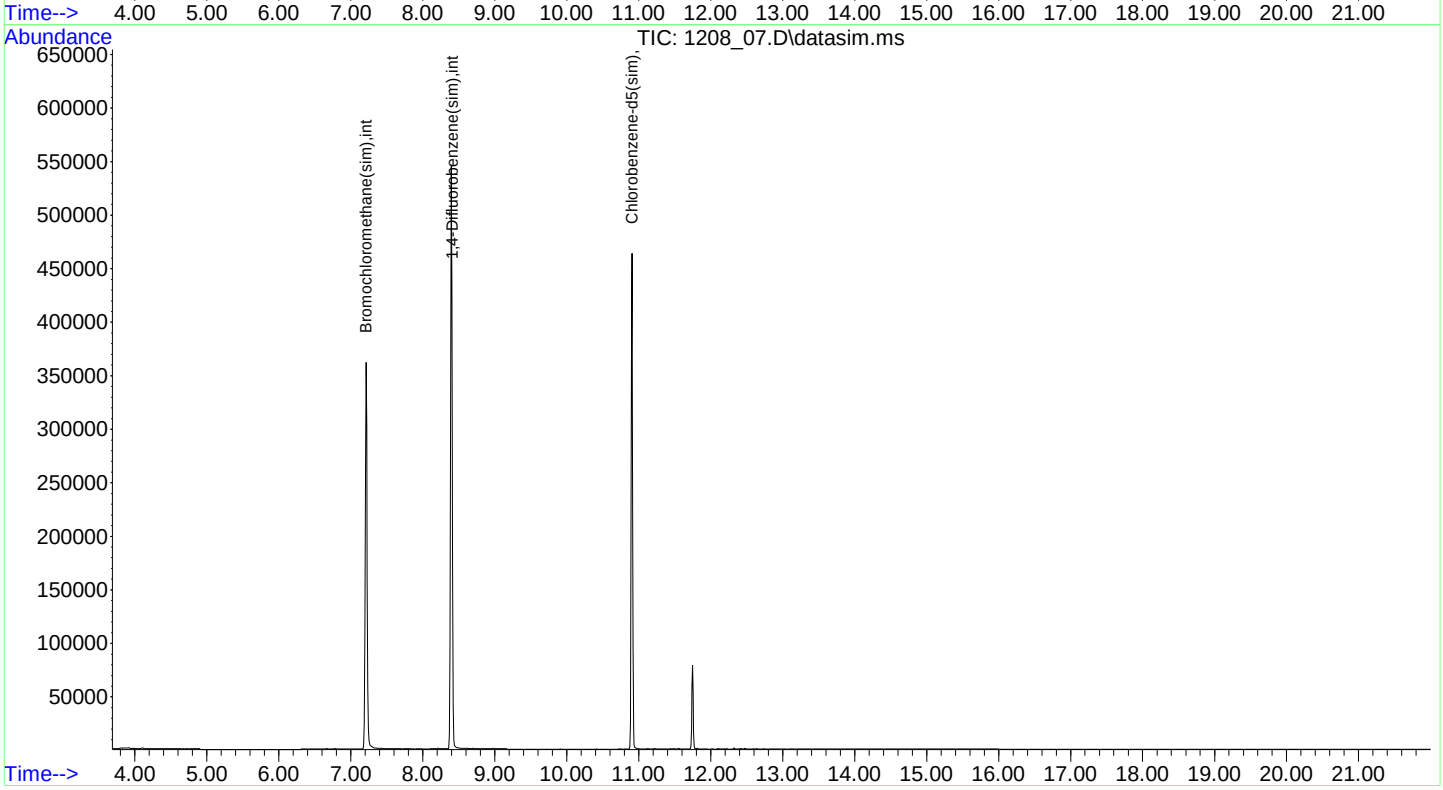
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\08\
Data File : 1208_07.D
Acq On : 8 Dec 2025 5:06 pm
Operator :
Client ID : CANISTER BLK 4214
Lab ID : CANISTER BLK 4214
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 09 08:13:44 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1116.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration





Injection Log

Data Directory: H:\AIR2025\CHEM24\11NOV\16A\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	14	1116_01.D	xxxxxxxxxx		11/16/25 12:46
2)	15	1116_02.D	xxxxxxxxxx		11/16/25 13:20
3)	16	1116_03.D	BFB TUNE	0/0 ; ITSD Air37I	11/16/25 13:53
4)	3	1116_04.D	ICAL 0.01	0.01 (40cc -1); TO15	11/16/25 14:28
5)	4	1116_05.D	ICAL 0.02	0.02 (80cc -1) ; TO1	11/16/25 15:06
6)	5	1116_06.D	ICAL 0.035	0.035 (140cc -1) ; T	11/16/25 15:45
7)	6	1116_07.D	ICAL 0.05	0.05 ppb ; TO1515	11/16/25 16:23
8)	7	1116_08.D	ICAL 0.1	0.10 ppb ; TO1515	11/16/25 16:59
9)	8	1116_09.D	ICAL 0.2	0.20 ppb ; TO1515	11/16/25 17:35
10)	9	1116_10.D	ICAL 0.5	0.50 ppb ; TO1515	11/16/25 18:13
11)	10	1116_11.D	ICAL 2.5	2.5 ppb ; TO1515	11/16/25 18:52
12)	11	1116_12.D	ICAL 5	5.0 ppb ; TO1515	11/16/25 19:27
13)	12	1116_13.D	ICAL 25	25 ppb ; TO1515	11/16/25 20:05
14)	13	1116_14.D	ICAL 40	40 ppb ; TO151	11/16/25 20:44
15)	16	1116_15.D	ICAL 1	1ppb ; TO1509 ; AIR3	11/16/25 21:21
16)	16	1116_16.D	ICAL 10	10ppb ; TO1509 ; AIR	11/16/25 21:58
17)	17	1116_17.D	ICV_CHEM24_1116	10ppb lcs ; TO1515	11/16/25 22:36
18)	18	1116_18.D	xxxxxxxxxx		11/16/25 23:12
19)	19	1116_19.D	xxxxxxxxxx		11/16/25 23:46
20)	20	1116_20.D	xxxxxxxxxx		11/17/25 0:23
21)	21	1116_21.D	xxxxxxxxxx		11/17/25 7:58
22)	22	1116_22.D	xxxxxxxxxx		11/17/25 8:38

Injection Log

Data Directory: H:\AIR2025\CHEM24\11NOV\16A\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	14	1116_01.D	xxxxxxxxxx		11/16/25 12:46
2)	15	1116_02.D	xxxxxxxxxx		11/16/25 13:20
3)	16	1116_03.D	BFB TUNE	0/0 ; ITSD Air37I	11/16/25 13:53
4)	3	1116_04.D	ICAL 0.01	0.01 (40cc -1); TO15	11/16/25 14:28
5)	4	1116_05.D	ICAL 0.02	0.02 (80cc -1) ; TO1	11/16/25 15:06
6)	5	1116_06.D	ICAL 0.035	0.035 (140cc -1) ; T	11/16/25 15:45
7)	6	1116_07.D	ICAL 0.05	0.05 ppb ; TO1515	11/16/25 16:23
8)	7	1116_08.D	ICAL 0.1	0.10 ppb ; TO1515	11/16/25 16:59
9)	8	1116_09.D	ICAL 0.2	0.20 ppb ; TO1515	11/16/25 17:35
10)	9	1116_10.D	ICAL 0.5	0.50 ppb ; TO1515	11/16/25 18:13
11)	10	1116_11.D	ICAL 2.5	2.5 ppb ; TO1515	11/16/25 18:52
12)	11	1116_12.D	ICAL 5	5.0 ppb ; TO1515	11/16/25 19:27
13)	12	1116_13.D	ICAL 25	25 ppb ; TO1515	11/16/25 20:05
14)	13	1116_14.D	ICAL 40	40 ppb ; TO151	11/16/25 20:44
15)	16	1116_15.D	ICAL 1	1ppb ; TO1509 ; AIR3	11/16/25 21:21
16)	16	1116_16.D	ICAL 10	10ppb ; TO1509 ; AIR	11/16/25 21:58
17)	17	1116_17.D	ICV_CHEM24_1116	10ppb lcs ; TO1515	11/16/25 22:36
18)	18	1116_18.D	xxxxxxxxxx		11/16/25 23:12
19)	19	1116_19.D	xxxxxxxxxx		11/16/25 23:46
20)	20	1116_20.D	xxxxxxxxxx		11/17/25 0:23
21)	21	1116_21.D	xxxxxxxxxx		11/17/25 7:58
22)	22	1116_22.D	xxxxxxxxxx		11/17/25 8:38

Injection Log

Data Directory: H:\AIR2025\CHEM24\12DEC\17\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	1	1217_01.D	xxxxxxxxxx		12/17/25 13:20
2)	2	1217_02.D	BFB TUNE - CCAL 1	1ppb ccal; TO1516P	12/17/25 13:55
3)	3	1217_03.D	xxxxxxxxxx		12/17/25 14:31
4)	4	1217_04.D	CU98036 LCS	CU98036 LCS	12/17/25 15:09
5)	5	1217_05.D	CU98036 BLANK	CU98036 BLANK	12/17/25 15:44
6)	6	1217_06.D	xxxxxxxxxx		12/17/25 16:19
7)	7	1217_07.D	xxxxxxxxxx		12/17/25 16:57
8)	8	1217_08.D	xxxxxxxxxx		12/17/25 19:30
9)	9	1217_09.D	xxxxxxxxxx		12/17/25 20:09
10)	10	1217_10.D	xxxxxxxxxx		12/17/25 20:47
11)	11	1217_11.D	xxxxxxxxxx		12/17/25 21:24
12)	12	1217_12.D	xxxxxxxxxx		12/17/25 22:03
13)	13	1217_13.D	CU98036 QC 0.5 X	CU98036 QC 0.5 X	12/17/25 22:44
14)	14	1217_14.D	CU98036 QC 0.5 X	CU98036 DUP 0.5 X	12/17/25 23:26
15)	15	1217_15.D	xxxxxxxxxx		12/18/25 0:07
16)	16	1217_16.D	xxxxxxxxxx		12/18/25 0:50
17)	17	1217_17.D	xxxxxxxxxx		12/18/25 1:32
18)	18	1217_18.D	xxxxxxxxxx		12/18/25 2:15
19)	19	1217_19.D	SS-3 5X	CU98124 5X	12/18/25 2:50
20)	20	1217_20.D	SS-1 5X	CU98125 5X	12/18/25 3:26
21)	21	1217_21.D	SS-2 5X	CU98126 5X	12/18/25 4:01
22)	22	1217_22.D	xxxxxxxxxx		12/18/25 4:35
23)	23	1217_23.D	xxxxxxxxxx		12/18/25 5:14
24)	24	1217_24.D	xxxxxxxxxx		12/18/25 9:04
25)	25	1217_25.D	CCCAL 1	1ppb ccal; TO1516P	12/18/25 9:40
26)	26	1217_26.D	xxxxxxxxxx		12/18/25 10:19

Injection Log

Data Directory: H:\AIR2025\CHEM39\12DEC\08\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	1	1208_01.D	xxxxxxxxxx		12/08/25 13:18
2)	1	1208_02.D	xxxxxxxxxx		12/08/25 13:56
3)	1	1208_03.D	xxxxxxxxxx		12/08/25 14:34
4)	1	1208_04.D	xxxxxxxxxx		12/08/25 15:14
5)	1	1208_05.D	xxxxxxxxxx		12/08/25 15:49
6)	1	1208_06.D	xxxxxxxxxx		12/08/25 16:26
7)	2	1208_07.D	CANISTER BLK 4214	CANISTER BLK 4214	12/08/25 17:06
8)	3	1208_08.D	xxxxxxxxxx		12/08/25 17:46
9)	4	1208_09.D	xxxxxxxxxx		12/08/25 19:32
10)	5	1208_10.D	xxxxxxxxxx		12/08/25 20:13
11)	6	1208_11.D	xxxxxxxxxx		12/08/25 20:53
12)	7	1208_12.D	xxxxxxxxxx		12/08/25 21:33
13)	8	1208_13.D	xxxxxxxxxx		12/08/25 22:13
14)	9	1208_14.D	xxxxxxxxxx		12/08/25 22:54
15)	10	1208_15.D	xxxxxxxxxx		12/08/25 23:34
16)	11	1208_16.D	xxxxxxxxxx		12/09/25 0:14
17)	12	1208_17.D	xxxxxxxxxx		12/09/25 0:54
18)	13	1208_18.D	xxxxxxxxxx		12/09/25 1:34
19)	14	1208_19.D	xxxxxxxxxx		12/09/25 2:15
20)	15	1208_20.D	xxxxxxxxxx		12/09/25 3:05
21)	16	1208_21.D	xxxxxxxxxx		12/09/25 3:49
22)	17	1208_22.D	xxxxxxxxxx		12/09/25 4:33
23)	18	1208_23.D	xxxxxxxxxx		12/09/25 5:24
24)	19	1208_24.D	xxxxxxxxxx		12/09/25 6:07
25)	20	1208_25.D	xxxxxxxxxx		12/09/25 6:42
26)	21	1208_26.D	xxxxxxxxxx		12/09/25 7:22
27)	22	1208_27.D	xxxxxxxxxx		12/09/25 8:02
28)	23	1208_28.D	xxxxxxxxxx		12/09/25 9:38
29)	24	1208_29.D	xxxxxxxxxx		12/09/25 10:15
30)	25	1208_30.D	xxxxxxxxxx		12/09/25 10:53
31)	26	1208_31.D	xxxxxxxxxx		12/09/25 11:31

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

Impact Closures

5801 AMBOY ROAD

GCV13321

Ver 1

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Friday, February 13, 2026

Attn: Greg Mendez-Chicas
Impact Closures
170 Keyland Court
Bohemia NY 11716

Project ID: **5801 AMBOY ROAD**
SDG ID: **GCV13321**
Sample ID#s: **CV13321**

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Impact Closures

Project: 5801 AMBOY ROAD

Laboratory Project: GCV13321

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

NY Analytical Services Protocol Format

February 13, 2026

SDG I.D.: GCV13321

Impact Closures 5801 AMBOY ROAD

Methodology Summary

Volatiles in Air

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15, Second Edition, U. S. Environmental Protection Agency, January 1999.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

NY Analytical Services Protocol Format

February 13, 2026

SDG I.D.: GCV13321

Impact Closures 5801 AMBOY ROAD

Laboratory Chronicle

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CV13321	Volatiles (TO15)	01/13/26	01/16/26	01/16/26	KCA	Y

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

February 13, 2026

SDG I.D.: GCV13321

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.
Compounds that are detected above MDL but below RL are qualified with a J flag.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Sample Id Cross Reference

February 13, 2026

SDG I.D.: GCV13321

Project ID: 5801 AMBOY ROAD

Client Id	Lab Id	Matrix	Col Date
EFFLUENT-1	CV13321	AIR	01/13/26 8:35

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

Analysis Report

February 13, 2026

FOR: Attn: Greg Mendez-Chicas
Impact Closures
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AD	01/13/26	8:35
Location Code:	IMPACT-ICL	Received by:	CP	01/15/26	16:22
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	0701				

Laboratory Data

SDG ID: GCV13321
Phoenix ID: CV13321

Project ID: 5801 AMBOY ROAD
Client ID: EFFLUENT-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.729*	0.729	ND	*5.00*	5.00	01/16/26	KCA	5	1
1,1,1-Trichloroethane	ND	*0.917*	0.917	ND	*5.00*	5.00	01/16/26	KCA	5	
1,1,2,2-Tetrachloroethane	ND	*0.729*	0.729	ND	*5.00*	5.00	01/16/26	KCA	5	
1,1,2-Trichloroethane	ND	*0.917*	0.917	ND	*5.00*	5.00	01/16/26	KCA	5	
1,1-Dichloroethane	ND	*1.24*	1.24	ND	*5.02*	5.02	01/16/26	KCA	5	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/16/26	KCA	5	
1,2,4-Trichlorobenzene	ND	*0.674*	0.674	ND	*5.00*	5.00	01/16/26	KCA	5	
1,2,4-Trimethylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	01/16/26	KCA	5	
1,2-Dibromoethane(EDB)	ND	*0.651*	0.651	ND	*5.00*	5.00	01/16/26	KCA	5	
1,2-Dichlorobenzene	ND	*0.832*	0.832	ND	*5.00*	5.00	01/16/26	KCA	5	
1,2-Dichloroethane	ND	*1.24*	1.24	ND	*5.02*	5.02	01/16/26	KCA	5	
1,2-dichloropropane	ND	*1.08*	1.08	ND	*4.99*	4.99	01/16/26	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	*0.716*	0.716	ND	*5.00*	5.00	01/16/26	KCA	5	
1,3,5-Trimethylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	01/16/26	KCA	5	
1,3-Butadiene	ND	*2.26*	2.26	ND	*5.00*	5.00	01/16/26	KCA	5	
1,3-Dichlorobenzene	ND	*0.832*	0.832	ND	*5.00*	5.00	01/16/26	KCA	5	
1,4-Dichlorobenzene	ND	*0.832*	0.832	ND	*5.00*	5.00	01/16/26	KCA	5	
1,4-Dioxane	ND	*1.39*	1.39	ND	*5.01*	5.01	01/16/26	KCA	5	
2-Hexanone(MBK)	ND	*1.22*	1.22	ND	*4.99*	4.99	01/16/26	KCA	5	1
4-Ethyltoluene	ND	*1.02*	1.02	ND	*5.01*	5.01	01/16/26	KCA	5	1
4-Isopropyltoluene	ND	*0.911*	0.911	ND	*5.00*	5.00	01/16/26	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	*1.22*	1.22	ND	*4.99*	4.99	01/16/26	KCA	5	
Acetone	3.20	*2.11*	2.11	7.60	*5.01*	5.01	01/16/26	KCA	5	
Acrylonitrile	ND	*2.31*	2.31	ND	*5.01*	5.01	01/16/26	KCA	5	
Benzene	ND	*1.57*	1.57	ND	*5.01*	5.01	01/16/26	KCA	5	
Benzyl chloride	ND	*0.966*	0.966	ND	*5.00*	5.00	01/16/26	KCA	5	

Project ID: 5801 AMBOY ROAD
Client ID: EFFLUENT-1

Phoenix I.D.: CV13321

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.747*	0.747	ND	*5.00*	5.00	01/16/26	KCA	5	
Bromoform	ND	*0.484*	0.484	ND	*5.00*	5.00	01/16/26	KCA	5	
Bromomethane	ND	*1.29*	1.29	ND	*5.01*	5.01	01/16/26	KCA	5	
Carbon Disulfide	ND	*1.61*	1.61	ND	*5.01*	5.01	01/16/26	KCA	5	
Carbon Tetrachloride	ND	*0.159*	0.159	ND	*1.00*	1.00	01/16/26	KCA	5	
Chlorobenzene	ND	*1.09*	1.09	ND	*5.01*	5.01	01/16/26	KCA	5	
Chloroethane	ND	*1.90*	1.90	ND	*5.01*	5.01	01/16/26	KCA	5	
Chloroform	ND	*1.02*	1.02	ND	*4.98*	4.98	01/16/26	KCA	5	
Chloromethane	ND	*2.42*	2.42	ND	*4.99*	4.99	01/16/26	KCA	5	
Cis-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/16/26	KCA	5	
cis-1,3-Dichloropropene	ND	*1.10*	1.10	ND	*4.99*	4.99	01/16/26	KCA	5	
Cyclohexane	ND	*1.45*	1.45	ND	*4.99*	4.99	01/16/26	KCA	5	
Dibromochloromethane	ND	*0.587*	0.587	ND	*5.00*	5.00	01/16/26	KCA	5	
Dichlorodifluoromethane	ND	*1.01*	1.01	ND	*4.99*	4.99	01/16/26	KCA	5	
Ethanol	22.4	*2.66*	2.66	42.2	*5.01*	5.01	01/16/26	KCA	5	1
Ethyl acetate	ND	*1.39*	1.39	ND	*5.01*	5.01	01/16/26	KCA	5	1
Ethylbenzene	ND	*1.15*	1.15	ND	*4.99*	4.99	01/16/26	KCA	5	
Heptane	ND	*1.22*	1.22	ND	*5.00*	5.00	01/16/26	KCA	5	
Hexachlorobutadiene	ND	*0.469*	0.469	ND	*5.00*	5.00	01/16/26	KCA	5	
Hexane	ND	*1.42*	1.42	ND	*5.00*	5.00	01/16/26	KCA	5	
Isooctane	ND	*1.07*	1.07	ND	*4.99*	4.99	01/16/26	KCA	5	
Isopropylalcohol	ND	*2.04*	2.04	ND	*5.01*	5.01	01/16/26	KCA	5	
Isopropylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	01/16/26	KCA	5	
m,p-Xylene	ND	*1.15*	1.15	ND	*4.99*	4.99	01/16/26	KCA	5	
Methyl Ethyl Ketone	ND	*1.70*	1.70	ND	*5.01*	5.01	01/16/26	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	*1.39*	1.39	ND	*5.01*	5.01	01/16/26	KCA	5	
Methylene Chloride	ND	*4.32*	4.32	ND	*15.0*	15.0	01/16/26	KCA	5	
Naphthalene	ND	*1.00*	1.00	ND	*5.23*	5.23	01/16/26	KCA	5	
n-Butylbenzene	ND	*0.911*	0.911	ND	*5.00*	5.00	01/16/26	KCA	5	1
o-Xylene	ND	*1.15*	1.15	ND	*4.99*	4.99	01/16/26	KCA	5	
Propylene	ND	*2.91*	2.91	ND	*5.01*	5.01	01/16/26	KCA	5	1
sec-Butylbenzene	ND	*0.911*	0.911	ND	*5.00*	5.00	01/16/26	KCA	5	1
Styrene	ND	*1.17*	1.17	ND	*4.98*	4.98	01/16/26	KCA	5	
Tetrachloroethene	ND	*0.184*	0.184	ND	*1.25*	1.25	01/16/26	KCA	5	
Tetrahydrofuran	ND	*1.70*	1.70	ND	*5.01*	5.01	01/16/26	KCA	5	1
Toluene	ND	*1.33*	1.33	ND	*5.01*	5.01	01/16/26	KCA	5	
Trans-1,2-Dichloroethene	ND	*1.26*	1.26	ND	*4.99*	4.99	01/16/26	KCA	5	
trans-1,3-Dichloropropene	ND	*1.10*	1.10	ND	*4.99*	4.99	01/16/26	KCA	5	
Trichloroethene	0.570	*0.185*	0.185	3.06	*0.99*	0.99	01/16/26	KCA	5	
Trichlorofluoromethane	ND	*0.891*	0.891	ND	*5.00*	5.00	01/16/26	KCA	5	
Trichlorotrifluoroethane	ND	*0.653*	0.653	ND	*5.00*	5.00	01/16/26	KCA	5	
Vinyl Chloride	ND	*0.390*	0.390	ND	*1.00*	1.00	01/16/26	KCA	5	
QA/QC Surrogates/Internals										
% Bromofluorobenzene (5x)	101	*%*	%	101	*%*	%	01/16/26	KCA	5	
% IS-1,4-Difluorobenzene (5x)	82	*%*	%	82	*%*	%	01/16/26	KCA	5	
% IS-Bromochloromethane (5x)	88	*%*	%	88	*%*	%	01/16/26	KCA	5	
% IS-Chlorobenzene-d5 (5x)	86	*%*	%	86	*%*	%	01/16/26	KCA	5	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
February 13, 2026
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Canister Sampling Information

February 13, 2026

FOR: Attn: Greg Mendez-Chicas
Impact Closures
170 Keyland Court
Bohemia NY 11716

Location Code: IMPACT-ICL

SDG I.D.: GCV13321

Project ID: 5801 AMBOY ROAD

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
EFFLUENT-1	CV13321	0701	6.0L		01/13/26	-30	-2				-30	-5	01/13/26 08:32	01/13/26 08:35

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

QA/QC Report

February 13, 2026

QA/QC Data

SDG I.D.: GCV13321

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 822865 (ppbv), QC Sample No: CV12868 (CV13321 (5X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	2.50	ND	17.2	100	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	2.50	ND	13.6	104	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	2.50	ND	17.2	115	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	2.50	ND	13.6	104	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	2.50	ND	10.1	110	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	2.50	ND	9.9	108	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	2.50	ND	18.5	104	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	2.50	ND	12.3	118	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	2.50	ND	19.2	107	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	1.00	ND	6.01	111	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.050	ND	0.20	106	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	2.50	ND	11.5	110	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	2.50	ND	17.5	107	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	2.50	ND	12.3	114	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	2.50	ND	5.53	113	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	2.50	ND	15.0	112	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	2.50	ND	15.0	108	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	1.00	ND	3.60	111	ND	ND	ND	ND	NC	70 - 130	25
2,2,4-Trimethylpentane	ND	1.00	ND	4.66	111	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	2.50	ND	10.2	117	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	2.50	ND	12.3	117	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	2.50	ND	13.7	109	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	2.50	ND	10.2	114	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	10.0	ND	23.7	105	ND	ND	ND	ND	NC	70 - 130	25
Acrylonitrile	ND	2.50	ND	5.42	146	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	2.50	ND	7.98	109	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	2.50	ND	12.9	118	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	2.50	ND	16.7	102	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	2.50	ND	25.8	104	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	2.50	ND	9.7	104	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	2.50	ND	7.78	110	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	2.50	ND	15.7	104	ND	ND	ND	ND	NC	70 - 130	25
Chlorobenzene	ND	2.50	ND	11.5	104	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	2.50	ND	6.59	107	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	2.50	ND	12.2	105	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	2.50	ND	5.16	110	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	2.50	ND	9.9	106	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	2.50	ND	11.3	112	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	2.50	ND	8.60	103	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	2.50	ND	21.3	105	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	2.50	ND	12.4	106	ND	ND	ND	ND	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCV13321

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	10.0	ND	18.8	119	224	218	119	116	2.6	70 - 130	25
Ethyl acetate	ND	2.50	ND	9.00	126	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	2.50	ND	10.8	110	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	2.50	ND	10.2	118	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	2.50	ND	26.6	105	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	2.50	ND	8.81	118	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	10.0	ND	24.6	112	ND	ND	ND	ND	NC	70 - 130	25
Isopropylbenzene	ND	2.50	ND	12.3	104	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	5.00	ND	21.7	117	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	2.50	ND	7.37	118	ND	ND	ND	ND	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	2.50	ND	9.01	113	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	4.50	ND	15.6	104	ND	ND	ND	ND	NC	70 - 130	25
Naphthalene	ND	2.50	ND	13.1	112	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	2.50	ND	13.7	113	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	2.50	ND	10.8	117	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	2.50	ND	4.30	109	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	2.50	ND	13.7	113	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	2.50	ND	10.6	114	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.500	ND	3.39	102	ND	ND	ND	ND	NC	70 - 130	25
Tetrahydrofuran	ND	2.50	ND	7.37	113	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	2.50	ND	9.42	106	ND	ND	ND	ND	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	2.50	ND	9.9	109	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	2.50	ND	11.3	108	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.175	ND	0.94	104	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	2.50	ND	14.0	101	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	2.50	ND	19.1	106	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.500	ND	1.28	113	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	95		95		99	101	100	101	100	NC	70 - 130	25
% IS-1,4-Difluorobenzene	99	%	99	%	105	92	88	92	88	NC	60 - 140	25
% IS-Bromochloromethane	100	%	100	%	99	92	91	92	91	NC	60 - 140	25
% IS-Chlorobenzene-d5	101	%	101	%	110	91	89	91	89	NC	60 - 140	25

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference
(ISO) - Isotope Dilution

Phyllis Shiller, Laboratory Director
February 13, 2026

Sample Criteria Exceedances Report

GCV13321 - IMPACT-ICL

Criteria: NY: AIRSV

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CV13321	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Sub-Slab Vapor	ND	1.00	0.954	0.954	ug/m3

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823
IMPACT-NJ

CHAIN OF CUSTODY RECORD
AIR ANALYSES

860-645-1102
email: greg@phoenixlabs.com

P.O. # |

Data Delivery:
☐ Fax #:
☒ Email: gmendez-chicaiza@impactenvironmental.com
☐ Phone #:

Report to:	Angela Devico	Project Name: 5801 Amboy Road	Data Format: (Circle) Equis Excel Other:
Customer:	Impact Environmental	Invoice to: Christine Bell	Requested Deliverable: RCP ASP CAT B
Address:	1099 Wall Street		MCP NJ Deliverables
18549	Lyndhurst, NJ 07071	Sampled by: Angela DeVizo	Quote Number:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	APH	Incoming Canister Pressure
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES		
13321	Effluent - 1	0701	6.0L	-30	-5	Grab		0832	0835	1/13/26	-30	-5		X	G	X		-2

Relinquished by:	Accepted by:	Date:	Time:
Angela Devico Impact		01/15	12:30
		1/15/26	16:22

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: Angela Devico Date: 1/26

State Where Samples Collected: NY

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

(1) - 6.0L Grab , 1 PressureGauge

Turnaround Time:
1 Day* ☐
2 Day* ☐
3 Day* ☐
4 Day* ☐
5 Day* ☐
Standard ☒
*SURCHARGES MAY APPLY

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C TAC RES SVVC I/C SVVC RES GWV I/C GWV CES	Indoor Air: Residential Ind/Commercial Soil Gas: Residential Ind/Commercial	Indoor Air: Residential Ind/Commercial Soil Gas: Residential Ind/Commercial	Vapor Intrusion	Indoor Air Residential Non-residential	Indoor Air Residential Industrial Sub-slab Residential Industrial

GCV13321 ~~GCV13322~~ (S02)

Sam Runyon

From: Michael Lapman
Sent: Thursday, January 15, 2026 1:52 PM
To: Sam Runyon
Subject: FW: impact
Attachments: 20260115133348.pdf

Impact—ICL.

Thank you.

Regards,
Michael Lapman
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
Direct Line: 917.449.0850
www.phoenixlabs.com

PHOENIX
Environmental Laboratories, Inc.

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From: Sam Runyon <samr@phoenixlabs.com>
Date: Thursday, January 15, 2026 at 1:34 PM
To: Michael Lapman <michael@phoenixlabs.com>
Subject: impact

Samantha Runyon (she/her)
Client Services
Phoenix Environmental Laboratories
587 East Middle Tpke.
Manchester, CT 06040
samr@phoenixlabs.com
PH: 860-645-1102

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Impact Closures

5801 AMBOY ROAD

Laboratory Project: GCV13321

Volatile TO15
Ver 1

Organic Data Flags

LOD(MDL): Limit of Detection or Method Detection Limit
The minimum reportable concentration that can be measured with confidence.

PQL(RL): Practical Quantitation Level or Reporting Level
This value is at or above the MDL and is supported by the lowest calibration standard.

· · Q Qualifiers:

U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the “U” represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.

J - Indicates an estimated value, may indicate one of the following, depending on the situation:
a) The reported value is estimated and below the RL.
Compounds that are detected above MDL but below RL are qualified with a J flag.
b) Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.
c) QC associated with this analyte is within warning limits.

X - The concentration is not reported. This quantitation file was not evaluated for this compound at this dilution; a volatile purging or related issue may be the cause.

L - Biased Low

N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified.

S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

B - This compound was also present in the method blank

D - The reported concentration is the result of a diluted analysis. Samples that require dilution may result in elevated reporting limits that exceed requested criteria for one or more analytes.

E - The reported value is estimated because the concentration exceeded the calibration range.

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

P- Percent difference is greater than 25% between the two GC columns and the lower result is reported.

PHOENIX
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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG: GCV13321

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: 5801 AMBOY ROAD, Impact Closures

Form 1 (Analysis):

No observations noted.

Detailed reference spectra will print 'Below Cal' for the full scan compounds that are reported from the SIM and are below the lowest calibration point in the full scan analysis. If analytes required manual integration. Manual integrations are flagged with an 'm' to indicate the analyte that required this process.

Form 2 (Surrogates):

All surrogates met criteria with the following exceptions: None.

Form 3 (Laboratory Control/Matrix Spike):

Sample: CV12868 LCS
All LCS recoveries met criteria with the following exceptions: Acrylonitrile 146%

Form 4 (Method Blank):

File: CHEM39 0115_05.D
All compounds were non-detect with the following exceptions: None.

Form 5 (Tune):

File: CHEM39 1225_03.D
All Tune criteria was met with the following exceptions: None.

File: CHEM39 0115_02.D
All Tune criteria was met with the following exceptions: None.

Form 6 (Initial Calibration):

Calibration: CHEM39 12/25/25 - 12/26/25
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.
All ICV recoveries met criteria (70-130) with the following exceptions: Acrylonitrile 131%.

Form 7 (Continuing Calibration):

File: CHEM39 0115_02.D (Opening)
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.

File: CHEM39 0116_01.D (Closing)
The following compounds did not meet maximum % deviations: None.

Form 8 (Internal Standard and Retention Time):

File: CHEM39 - 39_AIR_1225.M / 0115_02.D Full

PHOENIX
Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG: GCV13321

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: 5801 AMBOY ROAD, Impact Closures

All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM39 - 39_AIR_1225.M / 0115_02.D Sim
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM39 - 39_AIR_1225.M / Average Full
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM39 - 39_AIR_1225.M / Average Sim
All samples met internal standard area and retention time critieria with the following exceptions: None.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.
Compounds that are detected above MDL but below RL are qualified with a J flag.

02/12/26

Alejandro Paredes

Project Manager

2C
AIR SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SDG: GCV13321

QC Batch Id: 822865 QC Sample Id: CV12868

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CV12868 LCS	CV12868 LCS	99				0
02	CV12868 BLANK	CV12868 BLANK	95				0
03	CV12868 QC 5X	CV12868 QC 5X	101				0
04	CV12868 DUP 5X	CV12868 DUP 5X	100				0
05	EFFLUENT-1 5X	CV13321 5X	101				0
06							
07							
08							
09							
10							
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27							
28							
29							
30							

			QC LIMITS
SMC1	BFB	Bromofluorobenzene	(70-130)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II AIR

AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No: SAS No: SDG No GCV13321

LCS - Client Id: CV12868 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		10.88	109	70	130
Dichlorodifluoromethane	10		10.63	106	70	130
Chloromethane	10		11.05	111	70	130
1,2-Dichlorotetrafluoroethane	10		10.71	107	70	130
Vinyl Chloride	10		11.27	113	70	130
1,3-Butadiene	10		11.35	114	70	130
Bromomethane	10		10.39	104	70	130
Chloroethane	10		10.74	107	70	130
Ethanol	10		11.90	119	70	130
Acetone	10		10.55	106	70	130
Trichlorofluoromethane	10		10.10	101	70	130
Isopropylalcohol	10		11.22	112	70	130
Acrylonitrile	10		14.60	146 *	70	130
1,1-Dichloroethene	10		10.80	108	70	130
Methylene Chloride	10		10.39	104	70	130
Carbon Disulfide	10		10.97	110	70	130
Trichlorotrifluoroethane	10		10.65	107	70	130
Trans-1,2-Dichloroethene	10		10.92	109	70	130
1,1-Dichloroethane	10		10.96	110	70	130
Methyl tert-butyl ether(MTBE)	10		11.33	113	70	130
Methyl Ethyl Ketone	10		11.75	118	70	130
Cis-1,2-Dichloroethene	10		10.63	106	70	130
Hexane	10		11.77	118	70	130
Chloroform	10		10.52	105	70	130
Ethyl acetate	10		12.56	126	70	130
Tetrahydrofuran	10		11.33	113	70	130
1,2-Dichloroethane	10		10.64	106	70	130
1,1,1-Trichloroethane	10		10.35	104	70	130
Benzene	10		10.93	109	70	130
Carbon Tetrachloride	10		10.42	104	70	130
Cyclohexane	10		10.34	103	70	130
1,2-dichloropropane	10		10.96	110	70	130
Bromodichloromethane	10		10.19	102	70	130
Trichloroethene	10		10.43	104	70	130
2,2,4-trimethylpentane	10		11.11	111	70	130
1,4-Dioxane	10		11.07	111	70	130
Heptane	10		11.77	118	70	130
cis-1,3-Dichloropropene	10		11.22	112	70	130
4-Methyl-2-pentanone(MIBK)	10		11.37	114	70	130
trans-1,3-Dichloropropene	10		10.78	108	70	130
1,1,2-Trichloroethane	10		10.36	104	70	130
Toluene	10		10.64	106	70	130
Dibromochloromethane	10		10.51	105	70	130
2-Hexanone(MBK)	10		11.67	117	70	130

FORM III AIR

AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No: SAS No: SDG No GCV13321

LCS - Client Id: CV12868 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
1,2-Dibromoethane(EDB)	10		10.71	107	70	130
Tetrachloroethene	10		10.17	102	70	130
1,1,1,2-Tetrachloroethane	10		9.951	100	70	130
Chlorobenzene	10		10.36	104	70	130
Ethylbenzene	10		10.97	110	70	130
m,p-Xylene	20		23.42	117	70	130
Bromoform	10		10.37	104	70	130
Styrene	10		11.42	114	70	130
1,1,2,2-Tetrachloroethane	10		11.50	115	70	130
o-Xylene	10		11.72	117	70	130
Isopropylbenzene	10		10.37	104	70	130
4-Ethyltoluene	10		11.71	117	70	130
1,3,5-Trimethylbenzene	10		11.41	114	70	130
1,2,4-Trimethylbenzene	10		11.81	118	70	130
Benzyl chloride	10		11.77	118	70	130
1,3-Dichlorobenzene	10		11.17	112	70	130
1,4-Dichlorobenzene	10		10.81	108	70	130
sec-Butylbenzene	10		11.27	113	70	130
4-Isopropyltoluene	10		10.91	109	70	130
1,2-Dichlorobenzene	10		11.09	111	70	130
n-Butylbenzene	10		11.35	114	70	130
1,2,4-Trichlorobenzene	10		10.37	104	70	130
Naphthalene	10		11.23	112	70	130
Hexachlorobutadiene	10		10.52	105	70	130

FORM III AIR

4A

AIR METHOD BLANK SUMMARY

Client ID: CV12868 BLANK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCV13321

Lab File ID: 0115_05.D Lab Sample ID: CV12868 BLK

Date Analyzed: 01/15/2026 Time Analyzed: 17:00

GC Column: RTX-1 ; #10157 Lab Batch ID: 822865

Instrument ID: CHEM39 Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CV12868 LCS	CV12868 LCS	0115_04.D	16:24
02	CV12868 QC 5X	CV12868 5X	0115_07.D	18:15
03	CV12868 DUP 5X	CV12868 DUP 5X	0115_08.D	18:52
04	EFFLUENT-1 5X	CV13321 5X	0115_27.D	06:58
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COMMENTS:

FORM IV AIR

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCV13321

Lab File ID: 1225_03.D BFB Injection Date: 12/25/25

Instrument ID: CHEM39 BFB Injection Time: 17:27

GC Column: RTX-1 ; #10157 Heated Purge: (Y/N) Y

AutoFind: Scans 1082, 1083, 1084; Background Corrected with Scan 1076

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
50	8.0 - 40.0% of mass 95	33.4			
75	30.0 - 66.0% of mass 95	53.2			
95	Base Peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.3			
173	Less than 2.0% of mass 174	0.9	(	1.0	)1
174	50.0 - 120.0% of mass 95	88.5			
175	4.0 - 9.0% of mass 174	7.5	(	6.6	)1
176	93.0 - 101.0% of mass 174	98.0	(	86.8	)1
177	5.0 - 9.0% of mass 176	6.9	(	6.0	)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	ICAL 0.01	0.01ppbv	1225_04.D	12/25/25	18:04	
02	ICAL 0.02	0.02 ppbv	1225_05.D	12/25/25	18:41	
03	ICAL 0.035	0.035 ppbv	1225_06.D	12/25/25	19:20	
04	ICAL 0.05	0.05 ppbv	1225_07.D	12/25/25	20:00	
05	ICAL 0.1	0.10 ppbv	1225_08.D	12/25/25	20:36	
06	ICAL 0.2	0.20 ppbv	1225_09.D	12/25/25	21:13	
07	ICAL 0.5	0.5 ppbv	1225_10.D	12/25/25	21:52	
08	ICAL 2.5	2.5 ppbv	1225_11.D	12/25/25	22:32	
09	ICAL 5	5.0 ppbv	1225_12.D	12/25/25	23:08	
10	ICAL 25	25 ppbv	1225_13.D	12/25/25	23:48	
11	ICAL 40	40 ppbv	1225_14.D	12/26/25	00:30	
12	ICAL 1	1.0 ppbv	1225_15.D	12/26/25	01:07	
13	ICAL 10	10.0 ppbv	1225_16.D	12/26/25	01:44	
14	ICV_CHEM39_1225	10 ppbv LCs	1225_17.D	12/26/25	02:24	
15						
16						
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(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_03.D
Acq On : 25 Dec 2025 5:27 pm
Operator :
Sample : 0/0
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Nov 17 10:36:36 2025

AutoFind: Scans 1082, 1083, 1084; Background Corrected with Scan 1076

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	33.4	53867	PASS
75	95	30	66	53.2	85744	PASS
95	95	100	100	100.0	161197	PASS
96	95	5	9	6.3	10176	PASS
173	174	0.00	2	1.0	1386	PASS
174	95	50	120	88.5	142680	PASS
175	174	4	9	7.5	10649	PASS
176	174	93	101	98.0	139893	PASS
177	176	5	9	6.9	9585	PASS

39_AIR_1225.M Fri Dec 26 10:58:47 2025

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCV13321

Lab File ID: 0115_02.D BFB Injection Date: 01/15/26

Instrument ID: CHEM39 BFB Injection Time: 15:06

GC Column: RTX-1 ; #10157 Heated Purge: (Y/N) Y

AutoFind: Scans 1082, 1083, 1084; Background Corrected with Scan 1076

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
50	8.0 - 40.0% of mass 95	34.8			
75	30.0 - 66.0% of mass 95	53.7			
95	Base Peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.0			
173	Less than 2.0% of mass 174	0.9	(	1.0	)1
174	50.0 - 120.0% of mass 95	85.1			
175	4.0 - 9.0% of mass 174	7.5	(	6.4	)1
176	93.0 - 101.0% of mass 174	95.9	(	81.6	)1
177	5.0 - 9.0% of mass 176	6.4	(	5.2	)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 1	1ppb cCal; TO1517K	0115_02.D	01/15/26	15:06	
02	CV12868 LCS	CV12868 LCS	0115_04.D	01/15/26	16:24	
03	CV12868 BLANK	CV12868 BLANK	0115_05.D	01/15/26	17:00	
04	CV12868 QC 5X	CV12868 QC 5X	0115_07.D	01/15/26	18:15	
05	CV12868 DUP 5X	CV12868 DUP 5X	0115_08.D	01/15/26	18:52	
06	EFFLUENT-1 5X	CV13321 5X	0115_27.D	01/16/26	06:58	
07	CCCAL 1	1ppb cCal; TO1517K	0116_01.D	01/16/26	09:32	
08						
09						
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22						
23						
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25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_02.D
Acq On : 15 Jan 2026 3:06 pm
Operator :
Sample : 1ppb cCal; TO1517K
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Title : VOA Standards for 5 point calibration
Last Update : Fri Dec 26 11:07:22 2025

AutoFind: Scans 1082, 1083, 1084; Background Corrected with Scan 1076

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	34.8	53987	PASS
75	95	30	66	53.7	83259	PASS
95	95	100	100	100.0	155123	PASS
96	95	5	9	6.0	9334	PASS
173	174	0.00	2	1.0	1334	PASS
174	95	50	120	85.1	131979	PASS
175	174	4	9	7.5	9883	PASS
176	174	93	101	95.9	126531	PASS
177	176	5	9	6.4	8126	PASS

39_AIR_1225.M Fri Jan 16 07:30:36 2026

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCV13321

Lab Method / File Id: 39_AIR_1225.M / Average Date Analyzed: 12/26/25

Instrument ID: CHEM39 Time Analyzed: 1:07

GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

		IS1 (BCM) Area Avg	#	RT Avg	#	IS2 (DFB) Area Avg	#	RT Avg	#	IS3 (CBZ) Area Avg	#	RT Avg	#			LAB FILE ID
	REFERENCE STD	105843		7.21		375051		8.40		201723		10.90				Average
	UPPER LIMIT	148709		7.54		526946		8.73		283421		11.23				Average
	LOWER LIMIT	62977		6.88		223155		8.07		120025		10.57				Average
	CLIENT ID															
01	ICAL 0.2	102663		7.22		350471		8.40		174975		10.90				1225_09.D
02	ICAL 0.5	100535		7.21		354713		8.39		176990		10.90				1225_10.D
03	ICAL 2.5	100339		7.21		358877		8.39		180528		10.90				1225_11.D
04	ICAL 5	103125		7.22		367114		8.40		185775		10.90				1225_12.D
05	ICAL 25	106867		7.21		376946		8.39		226187		10.90				1225_13.D
06	ICAL 40	113916		7.22		408889		8.40		270911		10.91				1225_14.D
07	ICAL 1	112029		7.21		397142		8.39		193990		10.90				1225_15.D
08	ICAL 10	107269		7.22		386253		8.40		204431		10.90				1225_16.D
09	ICV_CHEM39_1225	108257		7.21		381568		8.39		199329		10.90				1225_17.D
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
AREA LOWER LIMIT = - 60% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCV13321

Lab Method / File Id: 39_AIR_1225.M / Average Date Analyzed: 12/26/25

Instrument ID: CHEM39 Time Analyzed: 1:07

GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

		IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
	REFERENCE STD	108749	7.21	373290	8.40	187034	10.90			Average
	UPPER LIMIT	152793	7.54	524473	8.73	262783	11.23			Average
	LOWER LIMIT	64706	6.88	222108	8.07	111285	10.57			Average
	CLIENT ID									
01	ICAL 0.01	122274	7.21	419528	8.39	208329	10.90			1225_04.D
02	ICAL 0.02	112154	7.21	383535	8.39	187134	10.90			1225_05.D
03	ICAL 0.035	109017	7.21	367183	8.39	184321	10.90			1225_06.D
04	ICAL 0.05	107664	7.21	365279	8.39	180721	10.90			1225_07.D
05	ICAL 0.1	105836	7.21	356099	8.39	180021	10.90			1225_08.D
06	ICAL 0.2	103577	7.21	350471	8.40	174975	10.90			1225_09.D
07	ICAL 0.5	104136	7.21	354713	8.39	177152	10.90			1225_10.D
08	ICAL 2.5	103501	7.21	358877	8.39	180528	10.90			1225_11.D
09	ICAL 5	104371	7.21	367114	8.40	185775	10.90			1225_12.D
10	ICAL 1	114450	7.21	397142	8.39	193990	10.90			1225_15.D
11	ICAL 10	109264	7.22	386253	8.40	204431	10.90			1225_16.D
12										
13										
14										
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16										
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18										
19										
20										
21										
22										

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
AREA LOWER LIMIT = - 60% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCV13321

Lab Method / File Id: 39_AIR_1225.M / 0115_02.D Date Analyzed: 01/15/26

Instrument ID: CHEM39 Time Analyzed: 15:06

GC Column: RTX-1 ; #101 ID: 0.18 (mm) Heated Purge:(Y/N) Y

		IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#			LAB FILE ID
	REFERENCE STD	105436		7.21		364875		8.39		182606		10.90				0115_02.D
	UPPER LIMIT	148138		7.54		512649		8.72		256561		11.23				0115_02.D
	LOWER LIMIT	62734		6.88		217101		8.06		108651		10.57				0115_02.D
	CLIENT ID															
01	CCAL 1	105436		7.21		364875		8.39		182606		10.90				0115_02.D
02	CV12868 LCS	104859		7.21		384193		8.39		201504		10.90				0115_04.D
03	CV12868 BLANK	105895		7.21		361940		8.39		183671		10.90				0115_05.D
04	CV12868 QC 5X	97367		7.21		335490		8.39		167081		10.90				0115_07.D
05	CV12868 DUP 5X	96454		7.21		319365		8.39		163425		10.90				0115_08.D
06	EFFLUENT-1 5X	92466		7.22		299689		8.40		156173		10.90				0115_27.D
07	CCCAL 1	94114		7.22		331006		8.40		165806		10.90				0116_01.D
08																
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19																
20																
21																
22																

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
AREA LOWER LIMIT = - 60% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCV13321

Lab Method / File Id: 39_AIR_1225.M / 0115_02.D Date Analyzed: 01/15/26

Instrument ID: CHEM39 Time Analyzed: 15:06

GC Column: RTX-1 ; #101 ID: 0.18 (mm) Heated Purge:(Y/N) Y

		IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#			LAB FILE ID
	REFERENCE STD	109243		7.21		365936		8.39		182606		10.90				0115_02.D
	UPPER LIMIT	153486		7.54		514140		8.72		256561		11.23				0115_02.D
	LOWER LIMIT	65000		6.88		217732		8.06		108651		10.57				0115_02.D
	CLIENT ID															
01	CCAL 1	109243		7.21		365936		8.39		182606		10.90				0115_02.D
02	CV12868 LCS	108597		7.21		384193		8.39		201504		10.90				0115_04.D
03	CV12868 BLANK	109995		7.21		361940		8.39		183671		10.90				0115_05.D
04	CV12868 QC 5X	100919		7.21		335490		8.39		167099		10.90				0115_07.D
05	CV12868 DUP 5X	97721		7.21		319365		8.39		163425		10.90				0115_08.D
06	EFFLUENT-1 5X	93049		7.22		299689		8.40		156173		10.90				0115_27.D
07	CCCAL 1	98147		7.22		331006		8.40		165806		10.90				0116_01.D
08																
09																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
AREA LOWER LIMIT = - 60% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

AIR ANALYSIS DATA SHEET

CLIENT ID: EFFLUENT-1 5X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCV13321 Lab Sample ID: CV13321 5X

Canister: 701 Lab File ID: 0115_27.D

Instrument: CHEM39 Column: ΓX-1 ; #10157 Date Received: 01/15/26

Purge Volume 200 (cc) Date Analyzed: 01/16/26

Matrix: AIR Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	2.91	U	2.91	2.91	r
75-71-8	Dichlorodifluoromethane	1.01	U	1.01	1.01	r
74-87-3	Chloromethane	2.42	U	2.42	2.42	r
106-99-0	1,3-Butadiene	2.26	U	2.26	2.26	r
75-00-3	Chloroethane	1.90	U	1.90	1.90	r
64-17-5	Ethanol	22.4	S	2.66	2.66	r
67-64-1	Acetone	3.20	S	2.11	2.11	r
67-63-0	Isopropylalcohol	2.04	U	2.04	2.04	r
107-13-1	Acrylonitrile	2.31	U	2.31	2.31	r
75-09-2	Methylene Chloride	4.32	U	4.32	4.32	r
75-15-0	Carbon Disulfide	1.61	U	1.61	1.61	r
1634-04-4	Methyl tert-butyl ether(MTBE)	1.39	U	1.39	1.39	r
78-93-3	Methyl Ethyl Ketone	1.70	U	1.70	1.70	r
110-54-3	Hexane	1.42	U	1.42	1.42	r
141-78-6	Ethyl acetate	1.39	U	1.39	1.39	r
109-99-9	Tetrahydrofuran	1.70	U	1.70	1.70	r
110-82-7	Cyclohexane	1.45	U	1.45	1.45	r
540-84-1	2,2,4-trimethylpentane	1.07	U	1.07	1.07	r
142-82-5	Heptane	1.22	U	1.22	1.22	r
108-10-1	4-Methyl-2-pentanone(MIBK)	1.22	U	1.22	1.22	r
10061-02-6	trans-1,3-Dichloropropene	1.10	U	1.10	1.10	r
108-88-3	Toluene	1.33	U	1.33	1.33	r
591-78-6	2-Hexanone(MBK)	1.22	U	1.22	1.22	r
630-20-6	1,1,1,2-Tetrachloroethane	0.729	U	0.729	0.729	r
108-90-7	Chlorobenzene	1.09	U	1.09	1.09	r
100-41-4	Ethylbenzene	1.15	U	1.15	1.15	r
100-42-5	Styrene	1.17	U	1.17	1.17	r
95-47-6	o-Xylene	1.15	U	1.15	1.15	r
98-82-8	Isopropylbenzene	1.02	U	1.02	1.02	r
622-96-8	4-Ethyltoluene	1.02	U	1.02	1.02	r
108-67-8	1,3,5-Trimethylbenzene	1.02	U	1.02	1.02	r
95-63-6	1,2,4-Trimethylbenzene	1.02	U	1.02	1.02	r
91-20-3	Naphthalene	1.00	U	1.00	1.00	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.716	U	0.716	0.716	r
75-01-4	Vinyl Chloride(sim)	0.390	U	0.390	0.390	r
74-83-9	Bromomethane(sim)	1.29	U	1.29	1.29	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1

AIR ANALYSIS DATA SHEET

CLIENT ID: EFFLUENT-1 5X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCV13321 Lab Sample ID: CV13321 5X

Canister: 701 Lab File ID: 0115_27.D

Instrument: CHEM39 Column: ГX-1 ; #10157 Date Received: 01/15/26

Purge Volume 200 (cc) Date Analyzed: 01/16/26

Matrix: AIR Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.891	U	0.891	0.891	r
107-06-2	1,2-Dichloroethane(sim)	1.24	U	1.24	1.24	r
71-55-6	1,1,1-Trichloroethane(sim)	0.917	U	0.917	0.917	r
71-43-2	Benzene(sim)	1.57	U	1.57	1.57	r
56-23-5	Carbon Tetrachloride(sim)	0.159	U	0.159	0.159	r
75-35-4	1,1-Dichloroethene(sim)	0.252	U	0.252	0.252	r
76-13-1	Trichlorotrifluoroethane(sim)	0.653	U	0.653	0.653	r
156-60-5	Trans-1,2-Dichloroethene(sim)	1.26	U	1.26	1.26	r
75-34-3	1,1-Dichloroethane(sim)	1.24	U	1.24	1.24	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
67-66-3	Chloroform(sim)	1.02	U	1.02	1.02	r
78-87-5	1,2-dichloropropane(sim)	1.08	U	1.08	1.08	r
75-27-4	Bromodichloromethane(sim)	0.747	U	0.747	0.747	r
79-01-6	Trichloroethene(sim)	0.570		0.185	0.185	r
123-91-1	1,4-Dioxane(sim)	1.39	U	1.39	1.39	r
10061-01-5	cis-1,3-Dichloropropene(sim)	1.10	U	1.10	1.10	r
79-00-5	1,1,2-Trichloroethane(sim)	0.917	U	0.917	0.917	r
124-48-1	Dibromochloromethane(sim)	0.587	U	0.587	0.587	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.651	U	0.651	0.651	r
127-18-4	Tetrachloroethene(sim)	0.184	U	0.184	0.184	r
75-25-2	Bromoform(sim)	0.484	U	0.484	0.484	r
179601-23-1	m,p-Xylene(sim)	1.15	U	1.15	1.15	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.729	U	0.729	0.729	r
100-44-7	Benzyl chloride(sim)	0.966	U	0.966	0.966	r
541-73-1	1,3-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
106-46-7	1,4-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
135-98-8	sec-Butylbenzene(sim)	0.911	U	0.911	0.911	r
99-87-6	4-Isopropyltoluene(sim)	0.911	U	0.911	0.911	r
95-50-1	1,2-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
104-51-8	n-Butylbenzene(sim)	0.911	U	0.911	0.911	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.674	U	0.674	0.674	r
87-68-3	Hexachlorobutadiene(sim)	0.469	U	0.469	0.469	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_27.D
Acq On : 16 Jan 2026 6:58 am
Operator :
Client ID : EFFLUENT-1 5X
Lab ID : CV13321 5X
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 16 07:36:11 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

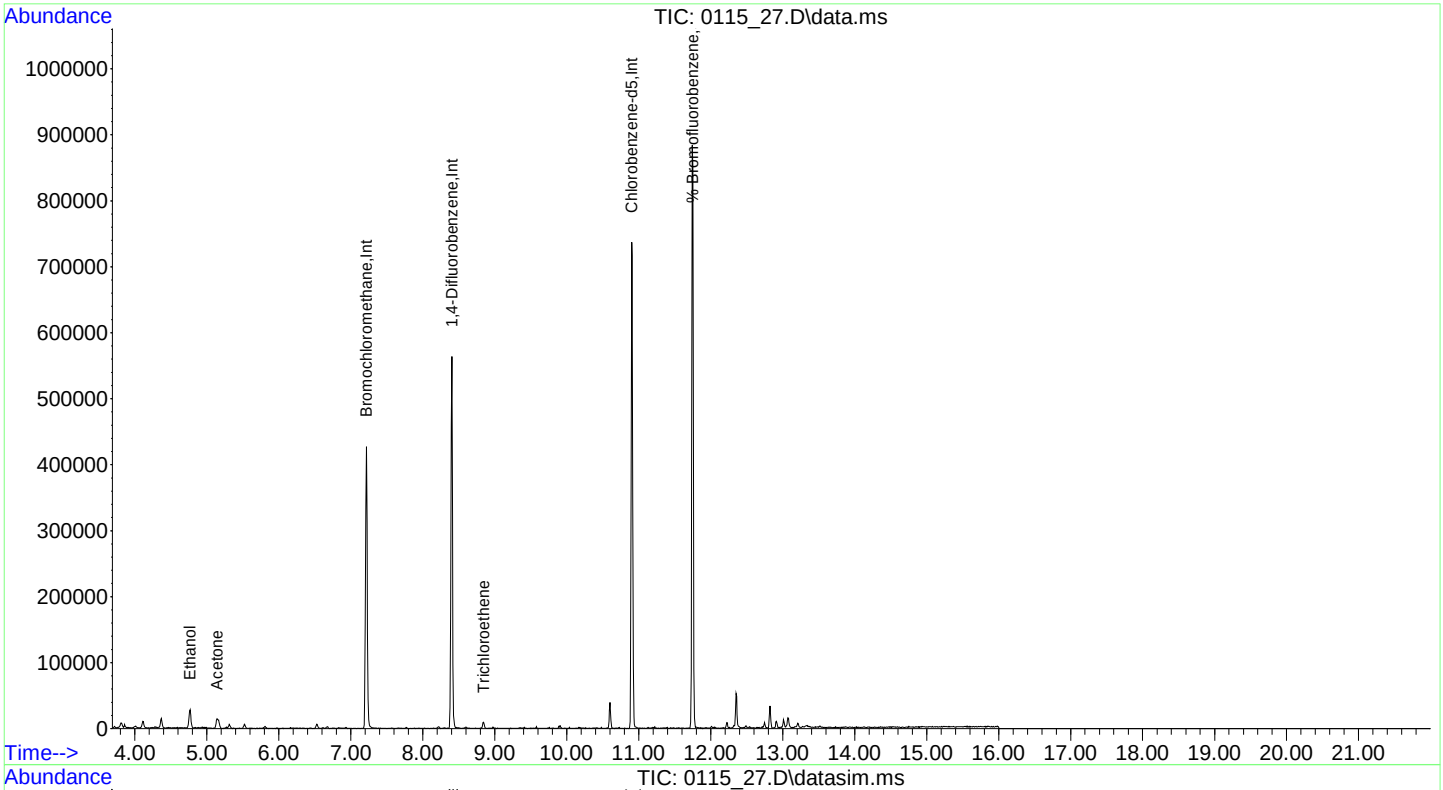
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.217	130	92466	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.403	114	299689	10.000	ng		0.00
53) Chlorobenzene-d5	10.902	82	156173	10.000	ng	#	0.00
80) Bromochloromethane(sim)	7.220	130	93049	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.403	114	299689	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.902	82	156173	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	212071	10.109	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.10%				
Target Compounds							Qvalue
11) Ethanol	4.767	45	30559	4.472	ppbv		94
12) Acetone	5.140	43	20207	0.639	ppbv	#	89
39) Trichloroethene	8.844	130	2003	0.146	ppbv		91
98] Trichloroethene(sim)	8.847	130	1872	0.114	ppbv		96

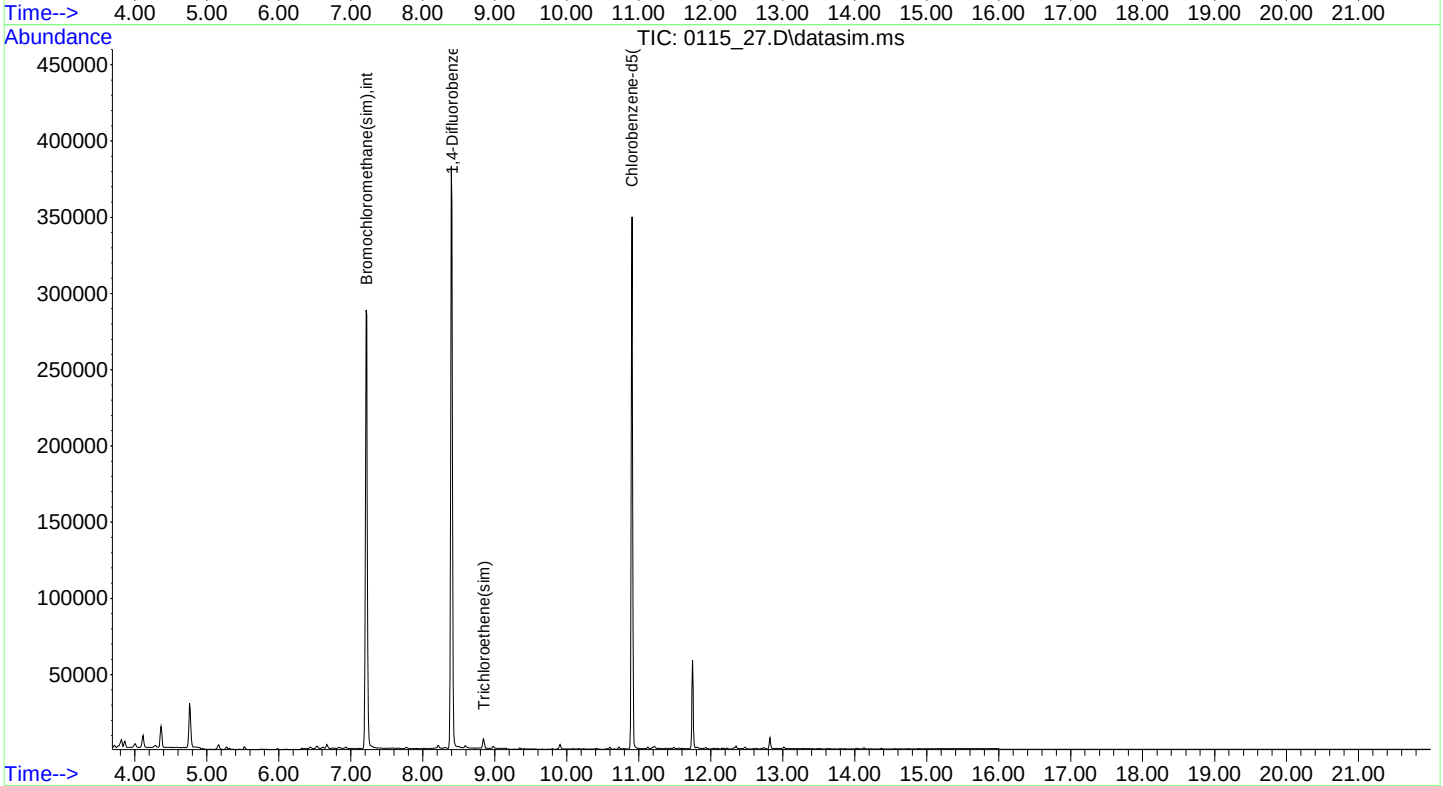
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

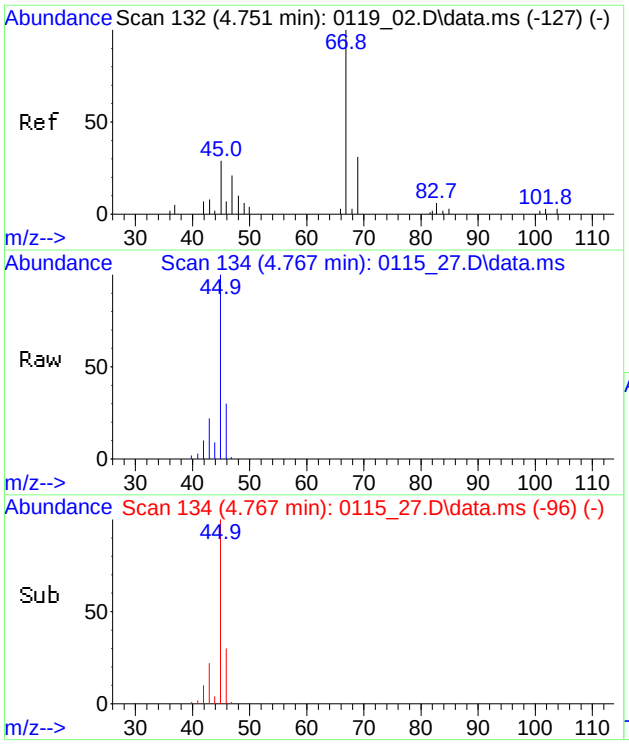
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_27.D
Acq On : 16 Jan 2026 6:58 am
Operator :
Client ID : EFFLUENT-1 5X
Lab ID : CV13321 5X
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 16 07:36:11 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration



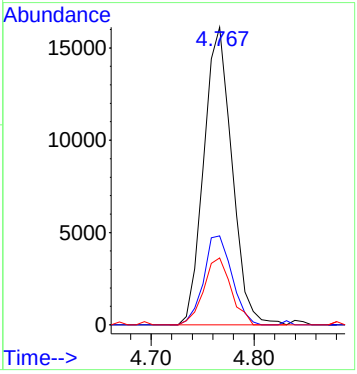


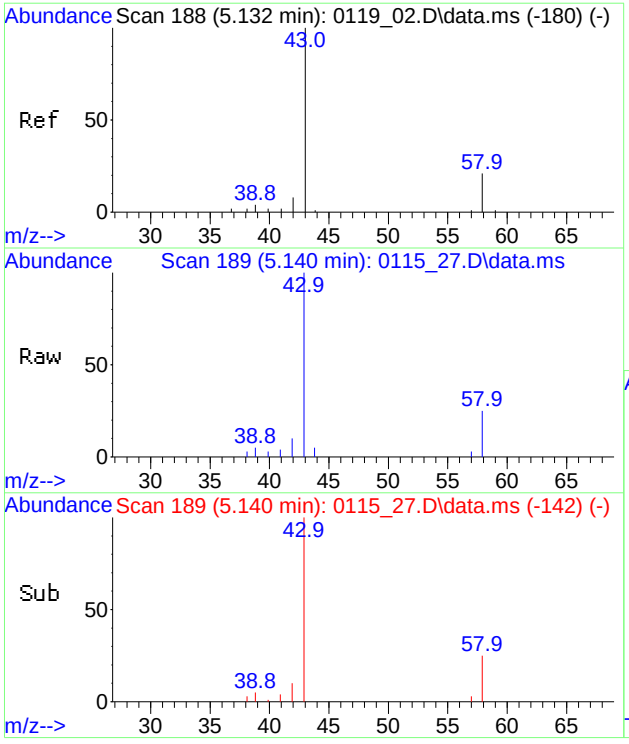


#11
Ethanol
Conc: 8$ 4.472 ppbv
RT: 4.767 min Scan# 134
Delta R.T. 0.008 min
Lab File: 0115_27.D
Acq: 16 Jan 2026 6:58 am

Tgt Ion: 45 Resp: 30559

Ion	Ratio	Lower	Upper
45	100		
46	30.0	25.4	38.0
43	21.9	21.2	31.8

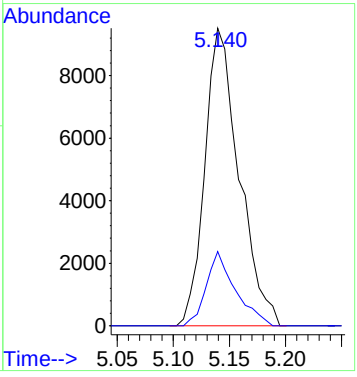


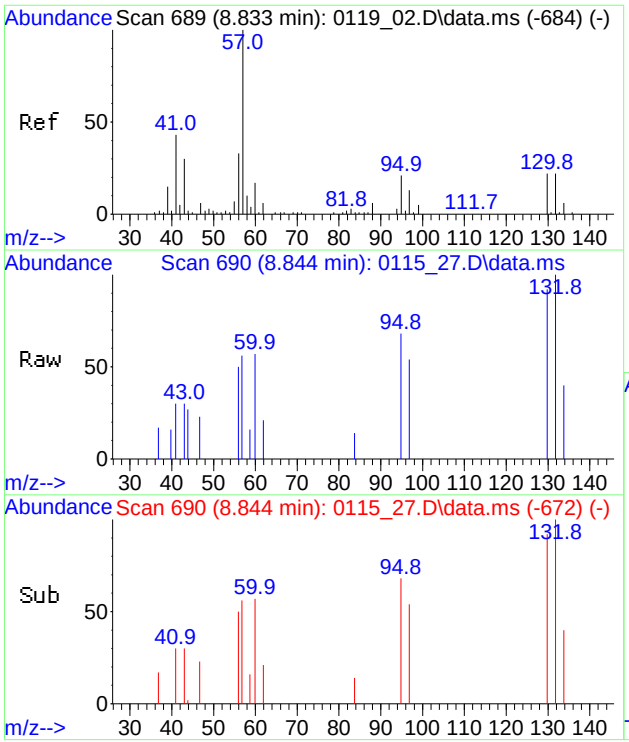


#12
Acetone
Conc: 8$ 0.639 ppbv
RT: 5.140 min Scan# 189
Delta R.T. 0.012 min
Lab File: 0115_27.D
Acq: 16 Jan 2026 6:58 am

Tgt Ion: 43 Resp: 20207

Ion	Ratio	Lower	Upper
43	100		
58	21.3	21.8	32.6#

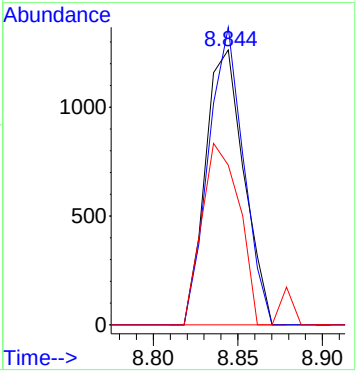


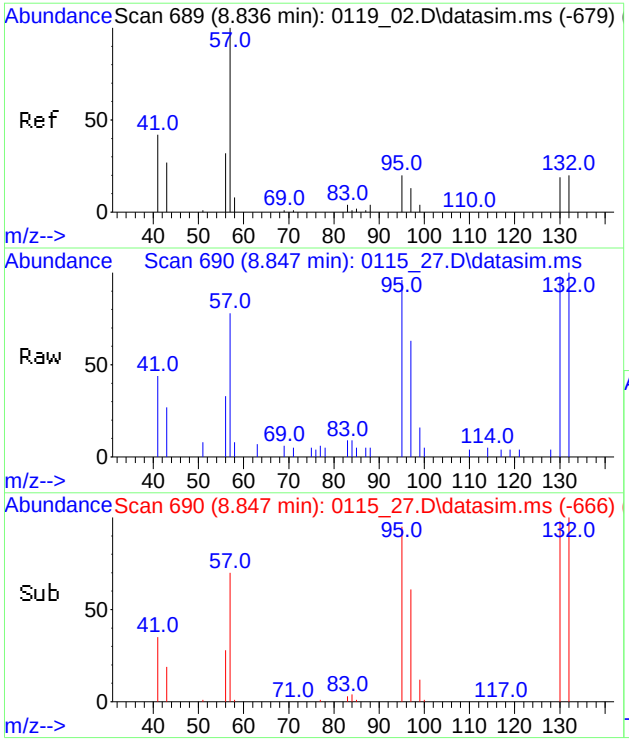


#39
Trichloroethene
Conc: 8$ Below Cal
RT: 8.844 min Scan# 690
Delta R.T. 0.008 min
Lab File: 0115_27.D
Acq: 16 Jan 2026 6:58 am

Tgt Ion:130 Resp: 2003

Ion	Ratio	Lower	Upper
130	100		
132	98.5	82.2	123.2
97	63.9	61.4	92.0

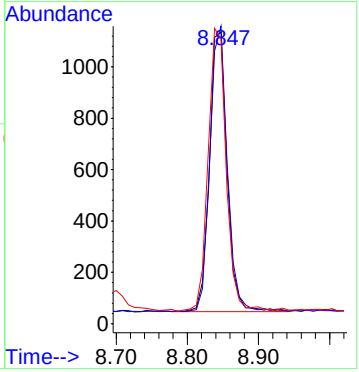




#98
Trichloroethene(sim)
Conc: 8$ 0.114 ppbv
RT: 8.847 min Scan# 690
Delta R.T. 0.008 min
Lab File: 0115_27.D
Acq: 16 Jan 2026 6:58 am

Tgt Ion:130 Resp: 1872

Ion	Ratio	Lower	Upper
130	100		
132	101.2	81.0	121.4
95	103.0	89.4	134.2



Response Factor Report Chem39

Method Path : H:\AIR2026\CHEM39\Methods\
Method File : 39_AIR_1225.M
Title : VOA Standards for 5 point calibration
Last Update : Fri Dec 26 11:07:22 2025
Response Via : Initial Calibration

Calibration Files (Note: Curves (l,lf,q,qf) display calculated conc and corr. coefficient.)
.035=1225_06.D 0.05=1225_07.D 0.10=1225_08.D 0.2 =1225_09.D 0.5 =1225_10.D 1.0 =1225_15.D 2.5 =1225_11.D 5.0 =1225_12.D
10 =1225_16.D 25 =1225_13.D 40 =1225_14.D 0.02=1225_05.D 0.01=1225_04.D

	Compound	.035	0.05	0.10	0.2	0.5	1.0	2.5	5.0	10	25	40	0.02	0.01	Avg	%RSD
1)	Int Bromochloromethane	----------ISTD----------														
2)	Propylene				2.228	2.011	1.885	1.761	1.763	1.758	1.750	1.777			1.866	9.21
3)	Dichlorodifluo...				3.884	3.901	3.930	3.857	3.842	3.828	3.806	3.836			3.860	1.07
4)	Chloromethane				2.647	2.336	2.287	2.093	2.090	2.079	2.016	2.113			2.208	9.46
5)	1,2-Dichlorote...				3.349	3.467	3.497	3.244	3.198	3.204	3.155	3.352			3.308	3.87
6)	Vinyl Chloride				1.452	1.492	1.556	1.437	1.396	1.424	1.389	1.480			1.453	3.81
7)	1,3-Butadiene				1.469	1.523	1.628	1.474	1.503	1.516	1.489	1.565			1.521	3.47
8)	Bromomethane				1.140	1.138	1.148	1.014	1.036	1.016	0.991	1.038			1.065	6.14
9)	Chloroethane				0.523	0.703	0.572	0.541	0.542	0.567	0.533	0.551			0.566	10.14
11)	Ethanol				1.008	0.796	0.859	0.741	0.627	0.650	0.607	0.625			0.739	19.19
12)	Acetone				4.175	3.835	3.470	3.319	3.203	3.187	3.102	3.059			3.419	11.52
13)	Trichlorofluor...				4.385	4.133	3.627	3.744	3.749	3.636	3.589	3.531			3.799	7.91
14)	Isopropylalcohol				3.685	3.668	3.838	3.642	3.530	3.654	3.591	3.621			3.654	2.44
15)	Acrylonitrile				1.001	1.128	1.177	1.121	1.126	1.125	1.110	1.116			1.113	4.46
16)	1,1-Dichloroet...				2.458	2.661	2.480	2.540	2.532	2.543	2.510	2.529			2.531	2.38
17)	Methylene Chlo...				3.479	3.252	2.757	2.763	2.670	2.600	2.560	2.534			2.827	12.31
20)	Carbon Disulfide				2.842	2.914	2.798	2.833	2.740	2.761	2.660	2.730			2.785	2.84
21)	Trichlorotrifl...				2.650	2.607	2.428	2.487	2.462	2.450	2.395	2.439			2.490	3.63
22)	Trans-1,2-Dich...				2.157	2.308	2.285	2.181	2.173	2.215	2.228	2.251			2.225	2.44
23)	1,1-Dichloroet...				2.486	2.532	2.587	2.564	2.555	2.518	2.475	2.500			2.527	1.56
24)	Methyl tert-bu...				2.435	2.596	2.592	2.668	2.799	2.868	2.902	2.971			2.729	6.78
25)	Methyl Ethyl K...				4.227	4.520	4.299	4.445	4.293	4.468	4.455	4.416			4.390	2.36
26)	Cis-1,2-Dichlo...				2.237	2.243	2.078	2.125	2.146	2.174	2.184	2.211			2.175	2.61
27)	Hexane				2.389	2.262	2.399	2.529	2.602	2.681	2.643	2.686			2.524	6.23
28)	Chloroform				2.694	2.710	2.500	2.556	2.504	2.458	2.428	2.433			2.536	4.38
29)	Ethyl acetate				0.380	0.480	0.505	0.498	0.497	0.519	0.518	0.537			0.492	9.83
30)	Tetrahydrofuran				1.934	2.056	2.075	2.150	2.189	2.256	2.264	2.272			2.150	5.61
31)	1,2-Dichloroet...				2.347	2.422	2.382	2.407	2.405	2.393	2.379	2.329			2.383	1.32
32)	1,1,1-Trichlor...				3.061	2.962	2.837	2.829	2.854	2.821	2.810	2.793			2.871	3.23
33)	Benzene				3.004	3.003	3.013	2.830	2.886	2.914	2.880	2.925			2.932	2.32
34)	Carbon Tetrach...				3.402	3.421	3.325	3.388	3.402	3.349	3.365	3.363			3.377	0.95
35)	Cyclohexane				1.639	1.072	1.054	1.032	1.054	1.077	1.085	1.097			1.139	17.85
36)	Int 1,4-Difluorobenzene	----------ISTD----------														
37)	1,2-dichloropr...				0.428	0.470	0.456	0.457	0.456	0.462	0.455	0.454			0.455	2.65
38)	Bromodichlorom...				0.892	0.797	0.771	0.778	0.768	0.772	0.792	0.787			0.794	5.11
39)	Trichloroethene				0.442	0.478	0.464	0.446	0.454	0.460	0.462	0.457			0.458	2.46
40)	2,2,4-trimethy...				2.303	2.277	2.288	2.383	2.439	2.469	2.490	2.437			2.386	3.60
41)	1,4-Dioxane				0.151	0.161	0.201	0.182	0.188	0.188	0.195	0.198			0.183	9.90
43)	Heptane				1.017	1.142	1.123	1.161	1.180	1.195	1.218	1.175			1.152	5.37

Method Path : H:\AIR2026\CHEM39\Methods\
Method File : 39_AIR_1225.M
Title : VOA Standards for 5 point calibration

44)	cis-1,3-Dichlo...			0.531	0.523	0.526	0.527	0.551	0.567	0.581	0.590			0.550	4.86
45)	4-Methyl-2-pen...			1.371	1.491	1.522	1.542	1.579	1.564	1.595	1.550			1.527	4.63
46)	trans-1,3-Dich...			0.468	0.416	0.457	0.439	0.460	0.477	0.493	0.498			0.463	5.86
47)	1,1,2-Trichlor...			0.397	0.434	0.396	0.389	0.377	0.387	0.380	0.381			0.393	4.60
48)	Toluene			1.178	1.174	1.025	1.053	1.090	1.109	1.129	1.126			1.111	4.81
49)	Dibromochlorom...			0.868	0.912	0.892	0.901	0.929	0.925	0.962	0.956			0.918	3.46
50)	2-Hexanone(MBK)			1.219	1.306	1.432	1.470	1.496	1.518	1.563	1.518			1.440	8.23
51)	1,2-Dibromoeth...			0.622	0.687	0.676	0.673	0.681	0.682	0.694	0.697			0.677	3.51
52)	Tetrachloroethene			0.663	0.627	0.584	0.599	0.595	0.594	0.612	0.614			0.611	4.12
53)	Int Chlorobenzene-d5	----------ISTD----------													
54)	1,1,1,2-Tetrac...			1.376	1.231	1.234	1.200	1.210	1.140	1.051	0.941			1.173	11.17
55)	Chlorobenzene			1.979	1.927	1.870	1.806	1.788	1.722	1.555	1.416			1.758	10.80
56)	Ethylbenzene		2.731	2.836	2.743	2.824	2.748	2.859	2.825	2.550	2.298			2.713	6.68
57)	m,p-Xylene		1.998	2.074	2.156	1.859	2.308	2.356	2.325	2.118	1.897			2.121	8.65
58)	Bromoform			1.851	1.897	1.930	1.814	1.860	1.768	1.669	1.528			1.790	7.44
59)	Styrene			1.309	1.484	1.638	1.635	1.663	1.660	1.545	1.404			1.542	8.61
60)	1,1,2,2-Tetrac...			1.566	1.523	1.776	1.657	1.652	1.610	1.476	1.346			1.576	8.28
61)	o-Xylene		1.998	2.041	2.155	2.371	2.366	2.482	2.425	2.257	2.047			2.238	8.19
65)	Isopropylbenzene			3.779	3.520	3.482	3.474	3.530	3.377	3.119	2.766			3.381	9.12
66)	4-Ethyltoluene			2.990	3.029	3.356	3.407	3.538	3.470	3.224	3.017			3.254	6.76
67)	1,3,5-Trimethy...			2.580	2.660	2.915	3.019	3.097	3.025	2.815	2.371			2.810	9.03
68)	1,2,4-Trimethy...			2.401	2.522	2.881	3.058	3.088	3.097	2.988	2.700			2.842	9.52
70)	Benzyl chloride			1.948	1.921	2.959	2.552	2.533	2.622	2.395	2.170			2.388	14.91
71)	1,3-Dichlorobe...			1.955	1.927	2.345	2.165	2.197	2.153	1.999	1.860			2.075	7.95
72)	1,4-Dichlorobe...			1.934	1.819	2.326	2.214	2.138	2.095	2.004	1.724			2.032	9.94
73)	sec-Butylbenzene			3.749	3.902	4.235	4.415	4.565	4.519	4.277	3.774			4.179	7.88
74)	4-Isopropyltol...			3.570	3.789	3.940	4.154	4.249	4.276	4.043	3.577			3.950	7.13
75)	1,2-Dichlorobe...			1.849	1.810	2.233	2.069	2.025	2.029	1.906	1.678			1.950	8.92
76)	n-Butylbenzene			2.946	3.137	3.514	3.545	3.604	3.691	3.516	3.075			3.378	8.31
77)	1,2,4-Trichlor...			0.990	1.060	1.538	1.458	1.377	1.419	1.401	1.284			1.316	14.74
78)	Naphthalene			1.745	2.116	3.422	3.239	3.045	3.247	3.168	2.850			2.854	21.08
79)	Hexachlorobuta...			1.362	1.358	1.571	1.530	1.419	1.372	1.373	1.257			1.405	7.19
80)	int Bromochloromethane...	----------ISTD----------													
81)	1,2-Dichlorote...	3.643	3.481	3.568	3.320	3.347	3.423	3.145	3.159			3.954	3.525	3.456	6.94
82)	Vinyl Chloride...	1.596	1.611	1.597	1.606	1.521	1.619	1.439	1.451			1.797	1.799	1.604	7.58
83)	Bromomethane(sim)	1.164	1.193	1.172	1.130	1.099	1.124	0.983	1.023			1.284		1.130	7.94
84)	Trichlorofluor...	4.031	4.003	4.094	4.115	3.983	3.702	3.775	3.787			4.084	4.163	3.974	4.06
85)	1,2-Dichloroet...	2.440	2.374	2.318	2.326	2.339	2.332	2.333	2.376			2.657	2.151	2.365	5.34
86)	1,1,1-Trichlor...	3.114	3.060	3.185	3.126	3.063	2.904	2.936	2.966			3.250	3.083	3.069	3.56
87)	Benzene(sim)	3.879	3.372	2.944	2.978	2.899	2.949	2.744						3.109	12.52
88)	Carbon Tetrach...	3.155	3.281	3.402	3.352	3.321	3.215	3.327				3.219	3.263	3.282	2.35
89)	1,1-Dichloroet...	2.993	2.968	2.463	2.436	2.569	2.428	2.462	2.501			3.036	2.862	2.672	9.68
90)	Trichlorotrifl...	2.747	2.668	2.784	2.710	2.642	2.546	2.506	2.511			2.755	2.723	2.659	3.92
91)	Trans-1,2-Dich...	2.498	2.476	2.155	2.138	2.228	2.237	2.114	2.147			2.390		2.265	6.65
92)	1,1-Dichloroet...	2.762	2.768	2.815	2.771	2.733	2.654	2.605	2.622			2.867	3.124	2.772	5.39
93)	Cis-1,2-Dichlo...	2.414	2.432	1.960	2.217	2.165	2.034	2.060	2.121			2.532	2.364	2.230	8.72
94)	Chloroform(sim)	3.336	3.030	2.834	2.802	2.712	2.567	2.540	2.559			3.772		2.906	14.25

Method Path : H:\AIR2026\CHEM39\Methods\
Method File : 39_AIR_1225.M
Title : VOA Standards for 5 point calibration

95)	int 1,4-Difluorobenzen...	----------ISTD----------													
96)	1,2-dichloropr...	0.578	0.529	0.534	0.531	0.509	0.498	0.484	0.480		0.574	0.577	0.529	7.03	
97)	Bromodichlorom...	0.904	0.877	0.772	0.892	0.797	0.771	0.778	0.768		0.853	0.827	0.824	6.54	
98)	Trichloroethen...	0.620	0.619	0.511	0.502	0.502	0.471	0.471	0.469		0.653	0.679	0.550	15.09	
99)	1,4-Dioxane(sim)	0.203	0.186	0.136	0.151	0.161	0.201	0.182					0.174	14.80	
100)	cis-1,3-Dichlo...	0.584	0.516	0.552	0.569	0.561	0.576	0.576			0.581	0.570	0.565	3.69	
101)	1,1,2-Trichlor...	0.446	0.411	0.370	0.397	0.438	0.396	0.389	0.377		0.446	0.458	0.413	7.66	
102)	Dibromochlorom...	0.929	0.875	0.935	0.939	0.912	0.904	0.915			0.952	1.025	0.932	4.44	
103)	1,2-Dibromoeth...	0.755	0.712	0.717	0.622	0.687	0.676	0.672	0.680		0.780	0.760	0.706	6.86	
104)	Tetrachloroeth...	0.670	0.639	0.653	0.651	0.636	0.610	0.610	0.609	0.609	0.703	0.698	0.644	5.39	
105)	int Chlorobenzene-d5(sim)	----------ISTD----------													
106)	Bromoform(sim)	1.795	1.776	1.758	1.801	1.774	1.924	1.802			1.956		1.823	4.06	
107)	m,p-Xylene(sim)			1.998	2.074	2.154	2.324	2.317	2.364				2.205	6.87	
108)	1,1,2,2-Tetrac...	1.770	1.725	1.701	1.726	1.671	1.869	1.731	1.717		1.961	2.136	1.801	8.14	
109)	Benzyl chlorid...	1.798	2.045	1.805	1.985	1.920	2.959	2.554					2.152	20.36	
110)	1,3-Dichlorobe...	2.124	2.060	2.059	2.123	2.091	2.587	2.433	2.395		2.490		2.262	9.30	
111)	1,4-Dichlorobe...	2.169	1.905	1.825	1.934	1.818	2.330	2.214					2.028	10.17	
112)	sec-Butylbenze...	2.519	2.430	2.449	2.576	2.701	3.176	3.337	3.395		2.968		2.839	13.63	
113)	4-Isopropyltol...			3.146	3.570	3.786	3.940	4.154	4.249				3.807	10.68	
114)	1,2-Dichlorobe...	2.020	1.933	1.913	1.963	1.912	2.410	2.264	2.211		2.445		2.119	10.21	
115)	n-Butylbenzene...		2.844	2.649	2.946	3.134	3.514	3.545					3.105	11.73	
116)	1,2,4-Trichlor...	1.316	1.189	0.936	1.083	1.156	1.722	1.614			1.868		1.360	24.57	
118)	Hexachlorobuta...	1.855	1.723	1.422	1.474	1.420	1.685	1.655			2.268	2.683	1.798	23.57	

(#,$,@)=Out of Range l=linear lf=linear(0,0) q=Quadratic qf=Quadratic(0,0)

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs | Client: IMPACT-ICL

Lab Code: Phoenix | SDG No.: GCV13321

Instrument ID: CHEM39 | Calibration Date From: 12/25/25 21:13

Heated Purge (Y/N): Y | Calibration Date Thru: 12/26/25 01:44

GC Column: | Method File: 39_AIR_1225.M

Laboratory File Ids

RRF1 1225_04.D RRF2 1225_05.D RRF3 1225_06.D RRF4 1225_07.D RRF5 1225_08.D RRF6 1225_09.D
RRF7 1225_10.D RRF8 1225_15.D RRF9 1225_11.D RRF10 1225_12.D RRF11 1225_16.D RRF12 1225_13.D
RRF13 1225_14.D

COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
Propylene						2.228	2.011	1.885	1.761	1.763	1.758	1.750	1.777	1.866	9.21
Dichlorodifluoromethane						3.884	3.901	3.930	3.857	3.842	3.828	3.806	3.836	3.860	1.07
Chloromethane						2.647	2.336	2.287	2.093	2.090	2.079	2.016	2.113	2.208	9.46
1,2-Dichlorotetrafluoroethane						3.349	3.467	3.497	3.244	3.198	3.204	3.155	3.352	3.308	3.87
Vinyl Chloride						1.452	1.492	1.556	1.437	1.396	1.424	1.389	1.480	1.453	3.81
1,3-Butadiene						1.469	1.523	1.628	1.474	1.503	1.516	1.489	1.565	1.521	3.47
Bromomethane						1.140	1.138	1.148	1.014	1.036	1.016	0.991	1.038	1.065	6.14
Chloroethane						0.523	0.703	0.572	0.541	0.542	0.567	0.533	0.551	0.566	10.14
Ethanol						1.008	0.796	0.859	0.741	0.627	0.650	0.607	0.625	0.739	19.19
Acetone						4.175	3.835	3.470	3.319	3.203	3.187	3.102	3.059	3.419	11.52
Trichlorofluoromethane						4.385	4.133	3.627	3.744	3.749	3.636	3.589	3.531	3.799	7.91
Isopropylalcohol						3.685	3.668	3.838	3.642	3.530	3.654	3.591	3.621	3.654	2.44
Acrylonitrile						1.001	1.128	1.177	1.121	1.126	1.125	1.110	1.116	1.113	4.46
1,1-Dichloroethene						2.458	2.661	2.480	2.540	2.532	2.543	2.510	2.529	2.531	2.38
Methylene Chloride						3.479	3.252	2.757	2.763	2.670	2.600	2.560	2.534	2.827	12.31
Carbon Disulfide						2.842	2.914	2.798	2.833	2.740	2.761	2.660	2.730	2.785	2.84
Trichlorotrifluoroethane						2.650	2.607	2.428	2.487	2.462	2.450	2.395	2.439	2.490	3.63
Trans-1,2-Dichloroethene						2.157	2.308	2.285	2.181	2.173	2.215	2.228	2.251	2.225	2.44
1,1-Dichloroethane						2.486	2.532	2.587	2.564	2.555	2.518	2.475	2.500	2.527	1.56
Methyl tert-butyl ether(MTBE)						2.435	2.596	2.592	2.668	2.799	2.868	2.902	2.971	2.729	6.78
Methyl Ethyl Ketone						4.227	4.520	4.299	4.445	4.293	4.468	4.455	4.416	4.390	2.36
Cis-1,2-Dichloroethene						2.237	2.243	2.078	2.125	2.146	2.174	2.184	2.211	2.175	2.61
Hexane						2.389	2.262	2.399	2.529	2.602	2.681	2.643	2.686	2.524	6.23
Chloroform						2.694	2.710	2.500	2.556	2.504	2.458	2.428	2.433	2.536	4.38

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs | Client: IMPACT-ICL

Lab Code: Phoenix | SDG No.: GCV13321

Instrument ID: CHEM39 | Calibration Date From: 12/25/25 21:13

Heated Purge (Y/N): Y | Calibration Date Thru: 12/26/25 01:44

GC Column: | Method File: 39_AIR_1225.M

Laboratory File Ids

RRF1 1225_04.D RRF2 1225_05.D RRF3 1225_06.D RRF4 1225_07.D RRF5 1225_08.D RRF6 1225_09.D
RRF7 1225_10.D RRF8 1225_15.D RRF9 1225_11.D RRF10 1225_12.D RRF11 1225_16.D RRF12 1225_13.D
RRF13 1225_14.D

COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
Ethyl acetate						0.380	0.480	0.505	0.498	0.497	0.519	0.518	0.537	0.492	9.83
Tetrahydrofuran						1.934	2.056	2.075	2.150	2.189	2.256	2.264	2.272	2.150	5.61
1,2-Dichloroethane						2.347	2.422	2.382	2.407	2.405	2.393	2.379	2.329	2.383	1.32
1,1,1-Trichloroethane						3.061	2.962	2.837	2.829	2.854	2.821	2.810	2.793	2.871	3.23
Benzene						3.004	3.003	3.013	2.830	2.886	2.914	2.880	2.925	2.932	2.32
Carbon Tetrachloride						3.402	3.421	3.325	3.388	3.402	3.349	3.365	3.363	3.377	0.95
Cyclohexane						1.639	1.072	1.054	1.032	1.054	1.077	1.085	1.097	1.139	17.85
1,2-dichloropropane						0.428	0.470	0.456	0.457	0.456	0.462	0.455	0.454	0.455	2.65
Bromodichloromethane						0.892	0.797	0.771	0.778	0.768	0.772	0.792	0.787	0.794	5.11
Trichloroethene						0.442	0.478	0.464	0.446	0.454	0.460	0.462	0.457	0.458	2.46
2,2,4-trimethylpentane						2.303	2.277	2.288	2.383	2.439	2.469	2.490	2.437	2.386	3.60
1,4-Dioxane						0.151	0.161	0.201	0.182	0.188	0.188	0.195	0.198	0.183	9.90
Heptane						1.017	1.142	1.123	1.161	1.180	1.195	1.218	1.175	1.152	5.37
cis-1,3-Dichloropropene						0.531	0.523	0.526	0.527	0.551	0.567	0.581	0.590	0.550	4.86
4-Methyl-2-pentanone(MIBK)						1.371	1.491	1.522	1.542	1.579	1.564	1.595	1.550	1.527	4.63
trans-1,3-Dichloropropene						0.468	0.416	0.457	0.439	0.460	0.477	0.493	0.498	0.463	5.86
1,1,2-Trichloroethane						0.397	0.434	0.396	0.389	0.377	0.387	0.380	0.381	0.393	4.60
Toluene						1.178	1.174	1.025	1.053	1.090	1.109	1.129	1.126	1.111	4.81
Dibromochloromethane						0.868	0.912	0.892	0.901	0.929	0.925	0.962	0.956	0.918	3.46
2-Hexanone(MBK)						1.219	1.306	1.432	1.470	1.496	1.518	1.563	1.518	1.440	8.23
1,2-Dibromoethane(EDB)						0.622	0.687	0.676	0.673	0.681	0.682	0.694	0.697	0.677	3.51
Tetrachloroethene						0.663	0.627	0.584	0.599	0.595	0.594	0.612	0.614	0.611	4.12
1,1,1,2-Tetrachloroethane						1.376	1.231	1.234	1.200	1.210	1.140	1.051	0.941	1.173	11.17
Chlorobenzene						1.979	1.927	1.870	1.806	1.788	1.722	1.555	1.416	1.758	10.80

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs | Client: IMPACT-ICL

Lab Code: Phoenix | SDG No.: GCV13321

Instrument ID: CHEM39 | Calibration Date From: 12/25/25 21:13

Heated Purge (Y/N): Y | Calibration Date Thru: 12/26/25 01:44

GC Column: | Method File: 39_AIR_1225.M

Laboratory File Ids

RRF1 1225_04.D RRF2 1225_05.D RRF3 1225_06.D RRF4 1225_07.D RRF5 1225_08.D RRF6 1225_09.D
RRF7 1225_10.D RRF8 1225_15.D RRF9 1225_11.D RRF10 1225_12.D RRF11 1225_16.D RRF12 1225_13.D
RRF13 1225_14.D

COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
Ethylbenzene					2.731	2.836	2.743	2.824	2.748	2.859	2.825	2.550	2.298	2.713	6.68
m,p-Xylene					1.998	2.074	2.156	1.859	2.308	2.356	2.325	2.118	1.897	2.121	8.65
Bromoform						1.851	1.897	1.930	1.814	1.860	1.768	1.669	1.528	1.790	7.44
Styrene						1.309	1.484	1.638	1.635	1.663	1.660	1.545	1.404	1.542	8.61
1,1,2,2-Tetrachloroethane						1.566	1.523	1.776	1.657	1.652	1.610	1.476	1.346	1.576	8.28
o-Xylene					1.998	2.041	2.155	2.371	2.366	2.482	2.425	2.257	2.047	2.238	8.19
Isopropylbenzene						3.779	3.520	3.482	3.474	3.530	3.377	3.119	2.766	3.381	9.12
4-Ethyltoluene						2.990	3.029	3.356	3.407	3.538	3.470	3.224	3.017	3.254	6.76
1,3,5-Trimethylbenzene						2.580	2.660	2.915	3.019	3.097	3.025	2.815	2.371	2.810	9.03
1,2,4-Trimethylbenzene						2.401	2.522	2.881	3.058	3.088	3.097	2.988	2.700	2.842	9.52
Benzyl chloride						1.948	1.921	2.959	2.552	2.533	2.622	2.395	2.170	2.388	14.91
1,3-Dichlorobenzene						1.955	1.927	2.345	2.165	2.197	2.153	1.999	1.860	2.075	7.95
1,4-Dichlorobenzene						1.934	1.819	2.326	2.214	2.138	2.095	2.004	1.724	2.032	9.94
sec-Butylbenzene						3.749	3.902	4.235	4.415	4.565	4.519	4.277	3.774	4.179	7.88
4-Isopropyltoluene						3.570	3.789	3.940	4.154	4.249	4.276	4.043	3.577	3.950	7.13
1,2-Dichlorobenzene						1.849	1.810	2.233	2.069	2.025	2.029	1.906	1.678	1.950	8.92
n-Butylbenzene						2.946	3.137	3.514	3.545	3.604	3.691	3.516	3.075	3.378	8.31
1,2,4-Trichlorobenzene						0.990	1.060	1.538	1.458	1.377	1.419	1.401	1.284	1.316	14.74
Naphthalene						1.745	2.116	3.422	3.239	3.045	3.247	3.168	2.850	2.854	21.08
Hexachlorobutadiene						1.362	1.358	1.571	1.530	1.419	1.372	1.373	1.257	1.405	7.19
1,2-Dichlorotetrafluoroethane(sim)	3.525	3.954	3.643	3.481	3.568	3.320	3.347	3.423	3.145	3.159				3.456	6.94
Vinyl Chloride(sim)	1.799	1.797	1.596	1.611	1.597	1.606	1.521	1.619	1.439	1.451				1.604	7.58
Bromomethane(sim)		1.284	1.164	1.193	1.172	1.130	1.099	1.124	0.983	1.023				1.130	7.94
Trichlorofluoromethane(sim)	4.163	4.084	4.031	4.003	4.094	4.115	3.983	3.702	3.775	3.787				3.974	4.06

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs | Client: IMPACT-ICL

Lab Code: Phoenix | SDG No.: GCV13321

Instrument ID: CHEM39 | Calibration Date From: 12/25/25 21:13

Heated Purge (Y/N): Y | Calibration Date Thru: 12/26/25 01:44

GC Column: | Method File: 39_AIR_1225.M

Laboratory File Ids

RRF1 1225_04.D RRF2 1225_05.D RRF3 1225_06.D RRF4 1225_07.D RRF5 1225_08.D RRF6 1225_09.D
RRF7 1225_10.D RRF8 1225_15.D RRF9 1225_11.D RRF10 1225_12.D RRF11 1225_16.D RRF12 1225_13.D
RRF13 1225_14.D

COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
1,2-Dichloroethane(sim)	2.151	2.657	2.440	2.374	2.318	2.326	2.339	2.332	2.333	2.376				2.365	5.34
1,1,1-Trichloroethane(sim)	3.083	3.250	3.114	3.060	3.185	3.126	3.063	2.904	2.936	2.966				3.069	3.56
Benzene(sim)			3.879	3.372	2.944	2.978	2.899	2.949	2.744					3.109	12.52
Carbon Tetrachloride(sim)	3.263	3.219	3.155	3.281	3.402	3.352	3.321	3.215	3.327					3.282	2.35
1,1-Dichloroethene(sim)	2.862	3.036	2.993	2.968	2.463	2.436	2.569	2.428	2.462	2.501				2.672	9.68
Trichlorotrifluoroethane(sim)	2.723	2.755	2.747	2.668	2.784	2.710	2.642	2.546	2.506	2.511				2.659	3.92
Trans-1,2-Dichloroethene(sim)		2.390	2.498	2.476	2.155	2.138	2.228	2.237	2.114	2.147				2.265	6.65
1,1-Dichloroethane(sim)	3.124	2.867	2.762	2.768	2.815	2.771	2.733	2.654	2.605	2.622				2.772	5.39
Cis-1,2-Dichloroethene(sim)	2.364	2.532	2.414	2.432	1.960	2.217	2.165	2.034	2.060	2.121				2.230	8.72
Chloroform(sim)		3.772	3.336	3.030	2.834	2.802	2.712	2.567	2.540	2.559				2.906	14.25
1,2-dichloropropane(sim)	0.577	0.574	0.578	0.529	0.534	0.531	0.509	0.498	0.484	0.480				0.529	7.03
Bromodichloromethane(sim)	0.827	0.853	0.904	0.877	0.772	0.892	0.797	0.771	0.778	0.768				0.824	6.54
Trichloroethene(sim)	0.679	0.653	0.620	0.619	0.511	0.502	0.502	0.471	0.471	0.469				0.550	15.09
1,4-Dioxane(sim)			0.203	0.186	0.136	0.151	0.161	0.201	0.182					0.174	14.80
cis-1,3-Dichloropropene(sim)	0.57	0.581	0.584	0.516	0.552	0.569	0.561	0.576	0.576					0.565	3.69
1,1,2-Trichloroethane(sim)	0.458	0.446	0.446	0.411	0.370	0.397	0.438	0.396	0.389	0.377				0.413	7.66
Dibromochloromethane(sim)	1.025	0.952	0.929	0.875	0.935	0.939	0.912	0.904	0.915					0.932	4.44
1,2-Dibromoethane(EDB)(sim)	0.76	0.780	0.755	0.712	0.717	0.622	0.687	0.676	0.672	0.680				0.706	6.86
Tetrachloroethene(sim)	0.698	0.703	0.670	0.639	0.653	0.651	0.636	0.610	0.610	0.609	0.609			0.644	5.39
Bromoform(sim)		1.956	1.795	1.776	1.758	1.801	1.774	1.924	1.802					1.823	4.06
m,p-Xylene(sim)					1.998	2.074	2.154	2.324	2.317	2.364				2.205	6.87
1,1,2,2-Tetrachloroethane(sim)	2.136	1.961	1.770	1.725	1.701	1.726	1.671	1.869	1.731	1.717				1.801	8.14
Benzyl chloride(sim)			1.798	2.045	1.805	1.985	1.920	2.959	2.554					2.152	20.36
1,3-Dichlorobenzene(sim)		2.490	2.124	2.060	2.059	2.123	2.091	2.587	2.433	2.395				2.262	9.30

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs | Client: IMPACT-ICL

Lab Code: Phoenix | SDG No.: GCV13321

Instrument ID: CHEM39 | Calibration Date From: 12/25/25 21:13

Heated Purge (Y/N): Y | Calibration Date Thru: 12/26/25 01:44

GC Column: | Method File: 39_AIR_1225.M

Laboratory File Ids

RRF1 1225_04.D RRF2 1225_05.D RRF3 1225_06.D RRF4 1225_07.D RRF5 1225_08.D RRF6 1225_09.D
RRF7 1225_10.D RRF8 1225_15.D RRF9 1225_11.D RRF10 1225_12.D RRF11 1225_16.D RRF12 1225_13.D
RRF13 1225_14.D

COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	_ RRF	% RSD
1,4-Dichlorobenzene(sim)			2.169	1.905	1.825	1.934	1.818	2.330	2.214					2.028	10.17
sec-Butylbenzene(sim)		2.968	2.519	2.430	2.449	2.576	2.701	3.176	3.337	3.395				2.839	13.63
4-Isopropyltoluene(sim)					3.146	3.570	3.786	3.940	4.154	4.249				3.807	10.68
1,2-Dichlorobenzene(sim)		2.445	2.020	1.933	1.913	1.963	1.912	2.410	2.264	2.211				2.119	10.21
n-Butylbenzene(sim)				2.844	2.649	2.946	3.134	3.514	3.545					3.105	11.73
1,2,4-Trichlorobenzene(sim)		1.868	1.316	1.189	0.936	1.083	1.156	1.722	1.614					1.360	24.57
Hexachlorobutadiene(sim)	2.683	2.268	1.855	1.723	1.422	1.474	1.420	1.685	1.655					1.798	23.57
% Bromofluorobenzene						1.389	1.416	1.394	1.438	1.410	1.361	1.229	1.109	1.343	8.52

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_04.D
Acq On : 25 Dec 2025 6:04 pm
Operator :
Client ID : ICAL 0.01
Lab ID : 0.01ppbv
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 26 11:06:59 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.209	130	121103	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.394	114	419528	10.000	ng		0.00
53) Chlorobenzene-d5	10.902	82	208329	10.000	ng		0.00
80) Bromochloromethane(sim)	7.212	130	122274	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.394	114	419528	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.902	82	208329	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	283759	9.980	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.80%				
Target Compounds							Qvalue
2) Propylene	3.793	41	584	0.026	ppbv		90
3) Dichlorodifluoromethane	3.858	85	482	0.010	ppbv#		62
4) Chloromethane	4.004	50	503	0.019	ppbv		91
5) 1,2-Dichlorotetrafluor...	4.101	85	467	0.012	ppbv#		76
6) Vinyl Chloride	4.199	62	156	0.009	ppbv		69
7) 1,3-Butadiene	4.312	54	172	0.009	ppbv#		74
8) Bromomethane	4.548	94	73	0.006	ppbv#		14
9) Chloroethane	0.000	64	0	0.000	ppbv		0
11) Ethanol	4.767	45	2241	0.250	ppbv#		88
12) Acetone	5.140	43	6652	0.161	ppbv		92
13) Trichlorofluoromethane	5.268	101	554	0.012	ppbv#		74
14) Isopropylalcohol	5.311	45	7103	0.161	ppbv#		96
15) Acrylonitrile	0.000	53	0	0.000	ppbv		0
16) 1,1-Dichloroethene	5.713	61	233	0.008	ppbv#		38
17) Methylene Chloride	5.808	49	2024	0.059	ppbv#		77
20) Carbon Disulfide	6.035	76	190	0.006	ppbv#		75
21) Trichlorotrifluoroethane	5.975	101	125	0.004	ppbv#		13
22) Trans-1,2-Dichloroethene	6.422	61	76	0.003	ppbv#		34
23) 1,1-Dichloroethane	6.568	63	332	0.011	ppbv#		50
24) Methyl tert-butyl ethe...	6.592	73	423	0.013	ppbv#		38
25) Methyl Ethyl Ketone	6.836	43	779	0.015	ppbv#		69
26) Cis-1,2-Dichloroethene	7.103	61	102	0.004	ppbv#		30
27) Hexane	7.233	57	369	0.012	ppbv#		68
28) Chloroform	7.282	83	347	0.011	ppbv		78
29) Ethyl acetate	0.000	61	0	0.000	ppbv		0
30) Tetrahydrofuran	0.000	42	0	0.000	ppbv		0
31) 1,2-Dichloroethane	0.000	62	0	0.000	ppbv		0
32) 1,1,1-Trichloroethane	7.914	97	87	0.003	ppbv#		49
33) Benzene	8.213	78	600	0.017	ppbv#		72
34) Carbon Tetrachloride	8.308	117	310	0.008	ppbv#		58
35) Cyclohexane	8.394	84	1077	0.078	ppbv#		1
37) 1,2-dichloropropane	8.706	63	102	0.005	ppbv#		63
38) Bromodichloromethane	8.810	83	218	0.007	ppbv#		21
39) Trichloroethene	8.836	130	205	0.011	ppbv#		4
40) 2,2,4-trimethylpentane	8.836	57	1073	0.011	ppbv#		47
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv		0
43) Heptane	8.974	43	501	0.010	ppbv#		52
44) cis-1,3-Dichloropropene	9.340	75	229	0.010	ppbv#		49
45) 4-Methyl-2-pentanone(M...	9.340	43	517	0.008	ppbv#		69
46) trans-1,3-Dichloropropene	9.636	75	136	0.007	ppbv#		47
47) 1,1,2-Trichloroethane	0.000	97	0	0.000	ppbv		0
48) Toluene	9.903	91	672	0.014	ppbv#		88

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_04.D
Acq On : 25 Dec 2025 6:04 pm
Operator :
Client ID : ICAL 0.01
Lab ID : 0.01ppbv
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 26 11:06:59 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.157	129	434	0.011	ppbv#	58
50)	2-Hexanone(MBK)	10.051	43	164	0.003	ppbv#	46
51)	1,2-Dibromoethane(EDB)	10.298	107	159	0.006	ppbv#	60
52)	Tetrachloroethene	10.551	166	147	0.006	ppbv#	66
54)	1,1,1,2-Tetrachloroethane	10.910	131	231	0.009	ppbv#	61
55)	Chlorobenzene	10.925	112	298	0.008	ppbv#	1
56)	Ethylbenzene	11.115	91	855	0.015	ppbv#	64
57)	m,p-Xylene	11.221	91	954	0.022	ppbv#	51
58)	Bromoform	11.289	173	438	0.012	ppbv#	59
59)	Styrene	11.433	104	192	0.006	ppbv#	72
60)	1,1,2,2-Tetrachloroethane	11.479	83	241	0.007	ppbv#	79
61)	o-Xylene	11.486	91	518	0.011	ppbv#	71
65)	Isopropylbenzene	11.805	105	1070	0.015	ppbv#	79
66)	4-Ethyltoluene	12.184	105	840	0.012	ppbv#	90
67)	1,3,5-Trimethylbenzene	12.222	105	723	0.012	ppbv#	84
68)	1,2,4-Trimethylbenzene	12.473	105	597	0.010	ppbv#	90
70)	Benzyl chloride	12.579	91	309	0.006	ppbv#	60
71)	1,3-Dichlorobenzene	12.594	146	877	0.020	ppbv#	55
72)	1,4-Dichlorobenzene	12.632	146	639	0.015	ppbv	90
73)	sec-Butylbenzene	12.632	105	1044	0.012	ppbv#	80
74)	4-Isopropyltoluene	12.723	119	1040	0.013	ppbv#	68
75)	1,2-Dichlorobenzene	12.852	146	623	0.015	ppbv#	80
76)	n-Butylbenzene	12.997	91	859	0.012	ppbv#	53
77)	1,2,4-Trichlorobenzene	14.030	180	417	0.015	ppbv	90
78)	Naphthalene	14.121	128	1208	0.020	ppbv#	70
79)	Hexachlorobutadiene	14.371	225	612	0.021	ppbv	97
81]	1,2-Dichlorotetrafluor...	4.096	85	431m	0.010	ppbv	76
82]	Vinyl Chloride(sim)	4.194	62	220	0.011	ppbv	100
83]	Bromomethane(sim)	4.542	94	148m	0.011	ppbv	14
84]	Trichlorofluoromethane...	5.271	101	509	0.010	ppbv#	96
85]	1,2-Dichloroethane(sim)	7.763	62	263m	0.009	ppbv	0
86]	1,1,1-Trichloroethane(...	7.925	97	377	0.010	ppbv#	93
87]	Benzene(sim)	8.216	78	690m	0.018	ppbv	72
88]	Carbon Tetrachloride(sim)	8.302	117	399	0.010	ppbv	98
89]	1,1-Dichloroethene(sim)	5.728	61	350m	0.011	ppbv	38
90]	Trichlorotrifluoroetha...	5.978	101	333	0.010	ppbv#	94
91]	Trans-1,2-Dichloroethe...	6.433	61	339m	0.012	ppbv	34
92]	1,1-Dichloroethane(sim)	6.563	63	382	0.011	ppbv	98
93]	Cis-1,2-Dichloroethene...	7.106	61	289m	0.011	ppbv	30
94]	Chloroform(sim)	7.293	83	556	0.016	ppbv#	66
96]	1,2-dichloropropane(sim)	8.700	63	242	0.011	ppbv#	78
97]	Bromodichloromethane(sim)	8.813	83	347m	0.010	ppbv	27
98]	Trichloroethene(sim)	8.838	130	285	0.012	ppbv	95
99]	1,4-Dioxane(sim)	8.847	88	86m	0.012	ppbv	0
100]	cis-1,3-Dichloropropen...	9.336	75	239	0.010	ppbv#	83
101]	1,1,2-Trichloroethane(...	9.744	97	192m	0.011	ppbv	0
102]	Dibromochloromethane(sim)	10.160	129	430	0.011	ppbv	98
103]	1,2-Dibromoethane(EDB)...	10.300	107	319m	0.011	ppbv	1
104]	Tetrachloroethene(sim)	10.547	166	293	0.011	ppbv	96
106]	Bromoform(sim)	11.300	173	485	0.013	ppbv	99
107]	m,p-Xylene(sim)	11.216	91	1166m	0.025	ppbv	51
108]	1,1,2,2-Tetrachloroeth...	11.482	83	445	0.012	ppbv#	96
109]	Benzyl chloride(sim)	12.574	91	446m	0.010	ppbv	60
110]	1,3-Dichlorobenzene(sim)	12.590	146	672	0.014	ppbv	96
111]	1,4-Dichlorobenzene(sim)	12.635	146	643m	0.015	ppbv	85

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_04.D
Acq On : 25 Dec 2025 6:04 pm
Operator :
Client ID : ICAL 0.01
Lab ID : 0.01ppbv
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 26 11:06:59 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

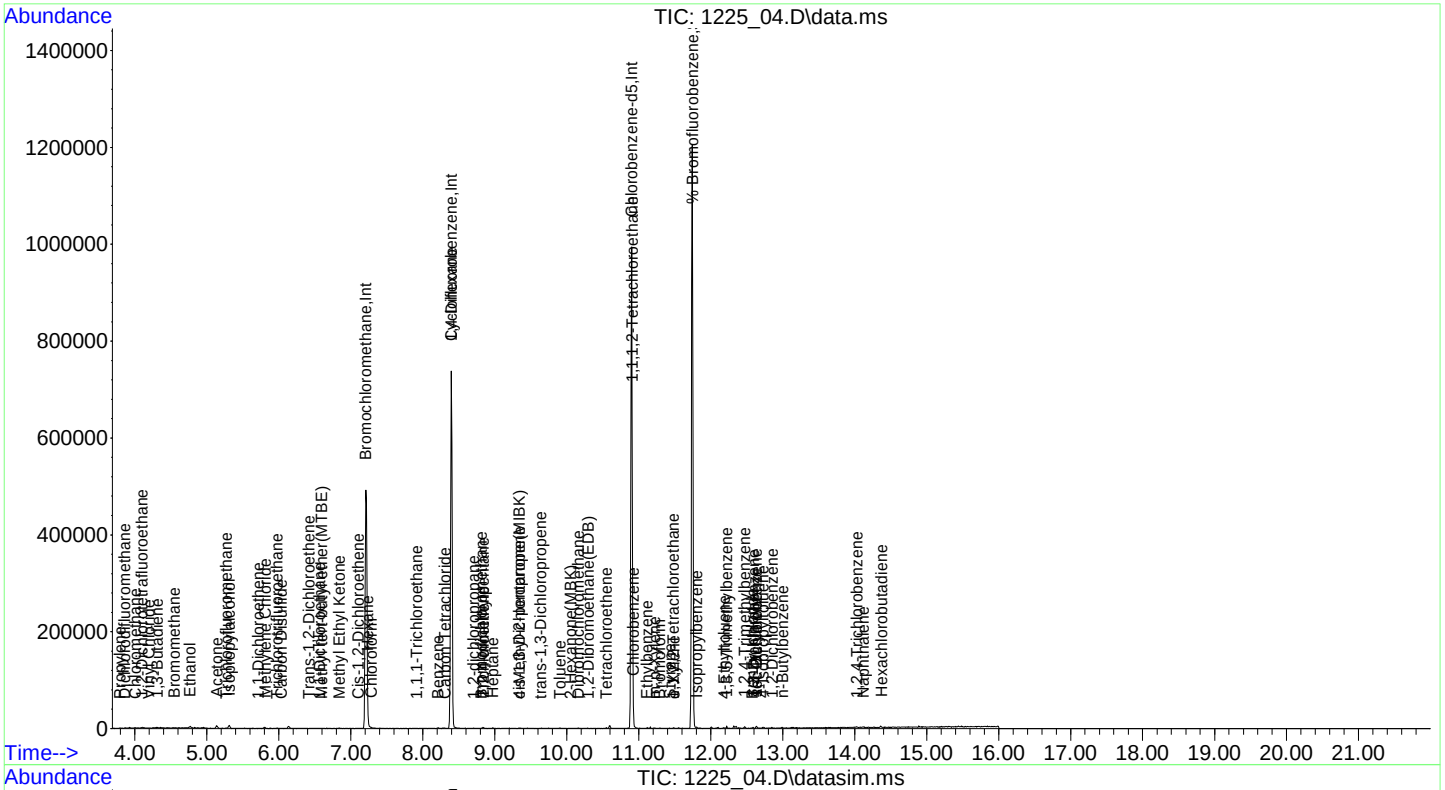
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	736	0.012	ppbv	95
113] 4-Isopropyltoluene(sim)	12.726	119	994m	0.013	ppbv	68
114] 1,2-Dichlorobenzene(sim)	12.848	146	655	0.015	ppbv	97
115] n-Butylbenzene(sim)	12.992	91	837m	0.013	ppbv	53
116] 1,2,4-Trichlorobenzene...	14.025	180	626	0.022	ppbv	94
118] Hexachlorobutadiene(sim)	14.367	225	559m	0.014	ppbv	98

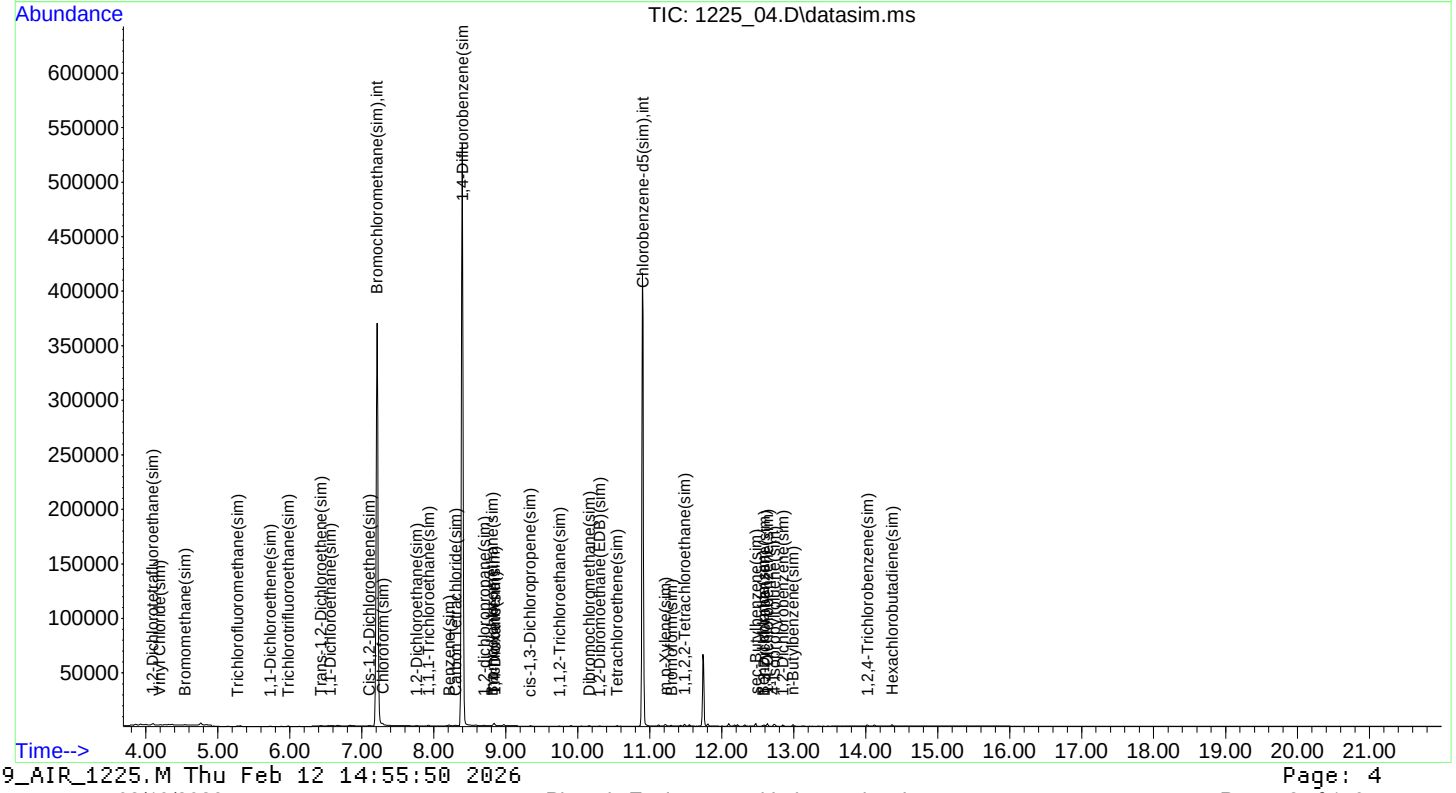
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_04.D
Acq On : 25 Dec 2025 6:04 pm
Operator :
Client ID : ICAL 0.01
Lab ID : 0.01ppbv
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 26 11:06:59 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_05.D
Acq On : 25 Dec 2025 6:41 pm
Operator :
Client ID : ICAL 0.02
Lab ID : 0.02 ppbv
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 26 11:00:37 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.217	130	112458	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.395	114	383535	10.000	ng		0.00
53) Chlorobenzene-d5	10.903	82	187039	10.000	ng		0.00
80) Bromochloromethane(sim)	7.212	130	112154	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.395	114	383535	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.903	82	187134	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	257130	10.073	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.70%				
Target Compounds							Qvalue
2) Propylene	3.785	41	866	0.041	ppbv	#	82
3) Dichlorodifluoromethane	3.858	85	998	0.023	ppbv	#	82
4) Chloromethane	3.996	50	747	0.030	ppbv		96
5) 1,2-Dichlorotetrafluor...	4.085	85	771	0.021	ppbv	#	87
6) Vinyl Chloride	4.191	62	233	0.014	ppbv	#	44
7) 1,3-Butadiene	4.321	54	272	0.016	ppbv	#	68
8) Bromomethane	4.532	94	82	0.007	ppbv	#	89
9) Chloroethane	4.775	64	74	0.012	ppbv	#	37
11) Ethanol	4.767	45	1999	0.241	ppbv		90
12) Acetone	5.140	43	10452	0.272	ppbv		91
13) Trichlorofluoromethane	5.269	101	904	0.021	ppbv	#	78
14) Isopropylalcohol	5.312	45	13242	0.322	ppbv	#	96
15) Acrylonitrile	5.489	53	71	0.006	ppbv	#	17
16) 1,1-Dichloroethene	5.731	61	503	0.018	ppbv	#	89
17) Methylene Chloride	5.809	49	2008	0.063	ppbv	#	73
20) Carbon Disulfide	6.029	76	734	0.023	ppbv	#	75
21) Trichlorotrifluoroethane	5.981	101	423	0.015	ppbv	#	76
22) Trans-1,2-Dichloroethene	6.430	61	420	0.017	ppbv	#	57
23) 1,1-Dichloroethane	6.560	63	473	0.017	ppbv	#	50
24) Methyl tert-butyl ethe...	6.601	73	545	0.018	ppbv	#	86
25) Methyl Ethyl Ketone	6.828	43	2140	0.043	ppbv	#	69
26) Cis-1,2-Dichloroethene	7.112	61	433	0.018	ppbv	#	45
27) Hexane	7.217	57	485	0.017	ppbv	#	84
28) Chloroform	7.290	83	942	0.033	ppbv		85
29) Ethyl acetate	0.000	61	0	0.000	ppbv		0
30) Tetrahydrofuran	7.566	42	359	0.015	ppbv	#	53
31) 1,2-Dichloroethane	7.768	62	471	0.018	ppbv	#	71
32) 1,1,1-Trichloroethane	7.923	97	594	0.018	ppbv	#	81
33) Benzene	8.213	78	739	0.022	ppbv	#	89
34) Carbon Tetrachloride	8.299	117	571	0.015	ppbv	#	80
35) Cyclohexane	8.386	84	1407	0.110	ppbv	#	1
37) 1,2-dichloropropane	8.706	63	116	0.007	ppbv	#	6
38) Bromodichloromethane	8.818	83	632	0.021	ppbv		83
39) Trichloroethene	8.844	130	415	0.024	ppbv	#	89
40) 2,2,4-trimethylpentane	8.844	57	2049	0.022	ppbv	#	92
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv		0
43) Heptane	8.974	43	1100	0.025	ppbv	#	64
44) cis-1,3-Dichloropropene	9.333	75	188	0.009	ppbv	#	75
45) 4-Methyl-2-pentanone(M...	9.347	43	806	0.014	ppbv	#	73
46) trans-1,3-Dichloropropene	9.636	75	155	0.009	ppbv	#	47
47) 1,1,2-Trichloroethane	9.742	97	179	0.012	ppbv	#	8
48) Toluene	9.903	91	874	0.021	ppbv	#	96

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_05.D
Acq On : 25 Dec 2025 6:41 pm
Operator :
Client ID : ICAL 0.02
Lab ID : 0.02 ppbv
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 26 11:00:37 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.164	129	584	0.017	ppbv#	67
50) 2-Hexanone(MBK)	10.051	43	881	0.016	ppbv#	56
51) 1,2-Dibromoethane(EDB)	10.305	107	350	0.013	ppbv#	69
52) Tetrachloroethene	10.551	166	312	0.013	ppbv#	83
54) 1,1,1,2-Tetrachloroethane	10.918	131	636	0.029	ppbv#	74
55) Chlorobenzene	10.933	112	844	0.026	ppbv#	1
56) Ethylbenzene	11.122	91	1216	0.024	ppbv	91
57) m,p-Xylene	11.213	91	1587	0.040	ppbv	93
58) Bromoform	11.297	173	813	0.024	ppbv#	59
59) Styrene	11.426	104	411	0.014	ppbv#	48
60) 1,1,2,2-Tetrachloroethane	11.486	83	657	0.022	ppbv#	84
61) o-Xylene	11.486	91	790	0.019	ppbv#	79
65) Isopropylbenzene	11.805	105	1936	0.031	ppbv#	86
66) 4-Ethyltoluene	12.184	105	1346	0.022	ppbv#	93
67) 1,3,5-Trimethylbenzene	12.222	105	1312	0.025	ppbv#	82
68) 1,2,4-Trimethylbenzene	12.480	105	993	0.019	ppbv#	81
70) Benzyl chloride	12.572	91	503	0.011	ppbv#	60
71) 1,3-Dichlorobenzene	12.594	146	722	0.019	ppbv#	81
72) 1,4-Dichlorobenzene	12.632	146	815	0.021	ppbv#	71
73) sec-Butylbenzene	12.640	105	1634	0.021	ppbv#	74
74) 4-Isopropyltoluene	12.731	119	1439	0.019	ppbv#	86
75) 1,2-Dichlorobenzene	12.845	146	1178	0.032	ppbv#	74
76) n-Butylbenzene	12.997	91	1033	0.016	ppbv#	71
77) 1,2,4-Trichlorobenzene	14.015	180	571	0.023	ppbv#	78
78) Naphthalene	14.121	128	1064	0.020	ppbv#	80
79) Hexachlorobutadiene	14.364	225	910	0.035	ppbv#	72
81] 1,2-Dichlorotetrafluor...	4.096	85	887m	0.023	ppbv	87
82] Vinyl Chloride(sim)	4.202	62	403	0.022	ppbv	95
83] Bromomethane(sim)	4.551	94	288m	0.023	ppbv	88
84] Trichlorofluoromethane...	5.271	101	916	0.021	ppbv#	96
85] 1,2-Dichloroethane(sim)	7.763	62	596m	0.022	ppbv	71
86] 1,1,1-Trichloroethane(...	7.925	97	729	0.021	ppbv#	97
87] Benzene(sim)	8.216	78	1109m	0.032	ppbv	89
88] Carbon Tetrachloride(sim)	8.302	117	722	0.020	ppbv	99
89] 1,1-Dichloroethene(sim)	5.728	61	681m	0.023	ppbv	97
90] Trichlorotrifluoroetha...	5.978	101	618	0.021	ppbv#	94
91] Trans-1,2-Dichloroethe...	6.433	61	536m	0.021	ppbv	57
92] 1,1-Dichloroethane(sim)	6.563	63	643	0.021	ppbv#	96
93] Cis-1,2-Dichloroethene...	7.106	61	568m	0.023	ppbv	45
94] Chloroform(sim)	7.293	83	846	0.026	ppbv#	79
96] 1,2-dichloropropane(sim)	8.700	63	440	0.022	ppbv	89
97] Bromodichloromethane(sim)	8.813	83	654m	0.021	ppbv	82
98] Trichloroethene(sim)	8.839	130	501	0.024	ppbv	90
99] 1,4-Dioxane(sim)	8.847	88	185m	0.028	ppbv	0
100] cis-1,3-Dichloropropen...	9.336	75	446	0.021	ppbv	94
101] 1,1,2-Trichloroethane(...	9.745	97	342m	0.022	ppbv	8
102] Dibromochloromethane(sim)	10.160	129	730	0.020	ppbv	96
103] 1,2-Dibromoethane(EDB)...	10.308	107	598m	0.022	ppbv	95
104] Tetrachloroethene(sim)	10.547	166	539	0.022	ppbv	97
106] Bromoform(sim)	11.300	173	732	0.021	ppbv	99
107] m,p-Xylene(sim)	11.216	91	1936m	0.047	ppbv	93
108] 1,1,2,2-Tetrachloroeth...	11.482	83	734	0.022	ppbv#	96
109] Benzyl chloride(sim)	12.575	91	766m	0.019	ppbv	60
110] 1,3-Dichlorobenzene(sim)	12.590	146	932	0.022	ppbv	97
111] 1,4-Dichlorobenzene(sim)	12.632	146	815	0.021	ppbv#	71

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_05.D
Acq On : 25 Dec 2025 6:41 pm
Operator :
Client ID : ICAL 0.02
Lab ID : 0.02 ppbv
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 26 11:00:37 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

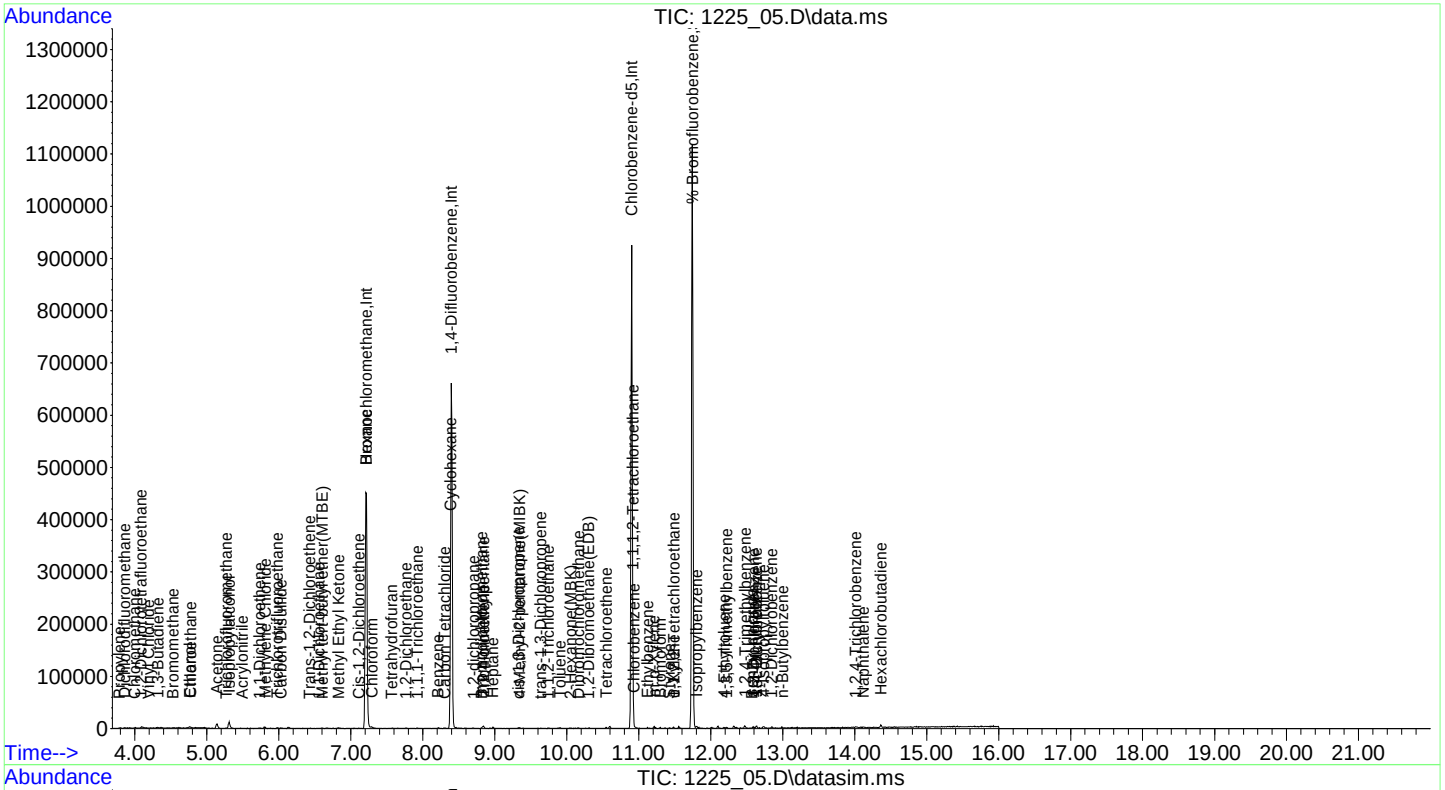
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	1111	0.021	ppbv	96
113] 4-Isopropyltoluene(sim)	12.731	119	1597	0.022	ppbv#	82
114] 1,2-Dichlorobenzene(sim)	12.856	146	915	0.023	ppbv	92
115] n-Butylbenzene(sim)	12.997	91	1033	0.018	ppbv	77
116] 1,2,4-Trichlorobenzene...	14.025	180	699	0.027	ppbv	99
118] Hexachlorobutadiene(sim)	14.367	225	849	0.023	ppbv	99

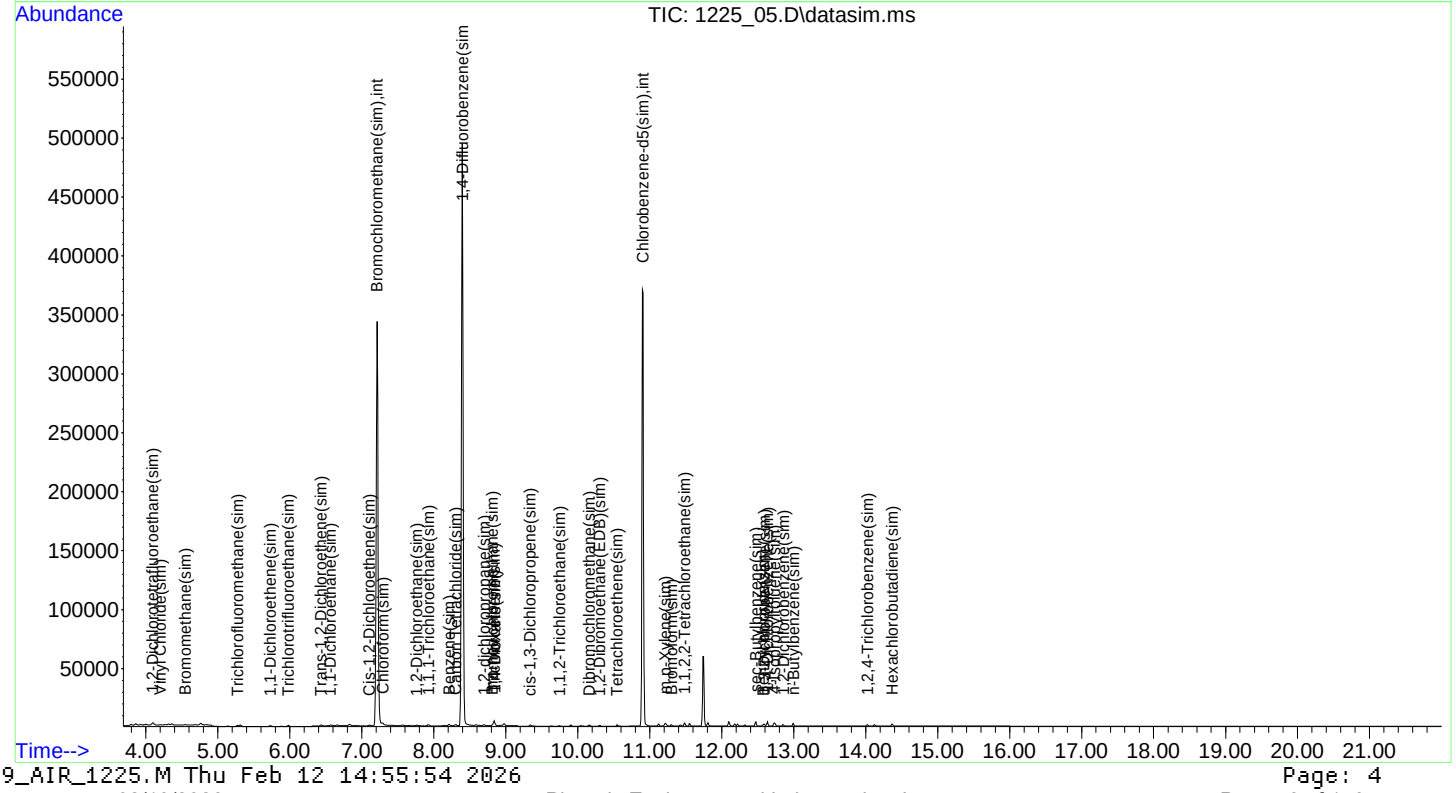
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_05.D
Acq On : 25 Dec 2025 6:41 pm
Operator :
Client ID : ICAL 0.02
Lab ID : 0.02 ppbv
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 26 11:00:37 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_06.D
Acq On : 25 Dec 2025 7:20 pm
Operator :
Client ID : ICAL 0.035
Lab ID : 0.035 ppbv
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 26 11:01:23 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.217	130	107624	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.395	114	367183	10.000	ng		0.00
53) Chlorobenzene-d5	10.903	82	184321	10.000	ng		0.00
80) Bromochloromethane(sim)	7.212	130	109017	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.395	114	367183	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.903	82	184321	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	249063	9.900	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.00%			
Target Compounds							Qvalue
2) Propylene	3.793	41	1081	0.054	ppbv		91
3) Dichlorodifluoromethane	3.858	85	1721	0.041	ppbv#		90
4) Chloromethane	4.004	50	1152	0.048	ppbv		71
5) 1,2-Dichlorotetrafluor...	4.085	85	1269	0.036	ppbv#		95
6) Vinyl Chloride	4.191	62	521	0.033	ppbv		73
7) 1,3-Butadiene	4.313	54	444	0.027	ppbv#		72
8) Bromomethane	4.556	94	385	0.034	ppbv#		62
9) Chloroethane	4.694	64	239	0.039	ppbv#		37
11) Ethanol	4.759	45	1658	0.208	ppbv#		89
12) Acetone	5.140	43	16322	0.444	ppbv		95
13) Trichlorofluoromethane	5.269	101	1507	0.037	ppbv#		57
14) Isopropylalcohol	5.305	45	20279	0.516	ppbv#		95
15) Acrylonitrile	5.483	53	68	0.006	ppbv#		1
16) 1,1-Dichloroethene	5.725	61	1032	0.038	ppbv#		80
17) Methylene Chloride	5.809	49	2357	0.077	ppbv#		83
20) Carbon Disulfide	6.035	76	1009	0.034	ppbv#		75
21) Trichlorotrifluoroethane	5.975	101	602	0.022	ppbv#		54
22) Trans-1,2-Dichloroethene	6.430	61	989	0.041	ppbv#		60
23) 1,1-Dichloroethane	6.576	63	863	0.032	ppbv		73
24) Methyl tert-butyl ethe...	6.593	73	859	0.029	ppbv#		78
25) Methyl Ethyl Ketone	6.828	43	3815	0.081	ppbv#		77
26) Cis-1,2-Dichloroethene	7.104	61	786	0.034	ppbv#		60
27) Hexane	7.217	57	833	0.031	ppbv#		53
28) Chloroform	7.290	83	1215	0.045	ppbv		88
29) Ethyl acetate	0.000	61	0	0.000	ppbv		0
30) Tetrahydrofuran	7.558	42	479	0.021	ppbv#		53
31) 1,2-Dichloroethane	7.760	62	889	0.035	ppbv#		77
32) 1,1,1-Trichloroethane	7.923	97	785	0.025	ppbv#		69
33) Benzene	8.213	78	1480	0.047	ppbv#		79
34) Carbon Tetrachloride	8.299	117	1278	0.035	ppbv		91
35) Cyclohexane	8.386	84	1555	0.127	ppbv#		14
37) 1,2-dichloropropane	8.697	63	558	0.033	ppbv#		76
38) Bromodichloromethane	8.810	83	945	0.032	ppbv#		56
39) Trichloroethene	8.836	130	484	0.029	ppbv#		76
40) 2,2,4-trimethylpentane	8.836	57	2319	0.026	ppbv#		83
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv		0
43) Heptane	8.974	43	1282	0.030	ppbv#		81
44) cis-1,3-Dichloropropene	9.326	75	464	0.023	ppbv#		49
45) 4-Methyl-2-pentanone(M...	9.348	43	1640	0.029	ppbv#		73
46) trans-1,3-Dichloropropene	9.643	75	407	0.024	ppbv#		47
47) 1,1,2-Trichloroethane	9.749	97	420	0.029	ppbv#		75
48) Toluene	9.911	91	1609	0.039	ppbv		89

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_06.D
Acq On : 25 Dec 2025 7:20 pm
Operator :
Client ID : ICAL 0.035
Lab ID : 0.035 ppbv
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 26 11:01:23 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.157	129	1237	0.037	ppbv	88
50)	2-Hexanone(MBK)	10.037	43	945	0.018	ppbv#	65
51)	1,2-Dibromoethane(EDB)	10.298	107	735	0.030	ppbv	98
52)	Tetrachloroethene	10.544	166	908	0.040	ppbv	90
54)	1,1,1,2-Tetrachloroethane	10.910	131	803	0.037	ppbv	90
55)	Chlorobenzene	10.933	112	1363	0.042	ppbv#	1
56)	Ethylbenzene	11.122	91	1832	0.037	ppbv	91
57)	m,p-Xylene	11.213	91	3046	0.078	ppbv	94
58)	Bromoform	11.304	173	1229	0.037	ppbv#	83
59)	Styrene	11.426	104	708	0.025	ppbv#	83
60)	1,1,2,2-Tetrachloroethane	11.486	83	986	0.034	ppbv#	80
61)	o-Xylene	11.486	91	1398	0.034	ppbv#	93
65)	Isopropylbenzene	11.812	105	2611	0.042	ppbv	96
66)	4-Ethyltoluene	12.184	105	1730	0.029	ppbv	98
67)	1,3,5-Trimethylbenzene	12.222	105	1662	0.032	ppbv#	95
68)	1,2,4-Trimethylbenzene	12.481	105	1554	0.030	ppbv#	88
70)	Benzyl chloride	12.579	91	1160	0.026	ppbv#	85
71)	1,3-Dichlorobenzene	12.594	146	1299	0.034	ppbv#	83
72)	1,4-Dichlorobenzene	12.632	146	1399	0.037	ppbv	98
73)	sec-Butylbenzene	12.640	105	2645	0.034	ppbv#	84
74)	4-Isopropyltoluene	12.731	119	2184	0.030	ppbv#	88
75)	1,2-Dichlorobenzene	12.853	146	1199	0.033	ppbv	93
76)	n-Butylbenzene	12.997	91	1978	0.032	ppbv	97
77)	1,2,4-Trichlorobenzene	14.022	180	701	0.029	ppbv#	89
78)	Naphthalene	14.129	128	1474	0.028	ppbv#	89
79)	Hexachlorobutadiene	14.364	225	1128	0.044	ppbv	99
81]	1,2-Dichlorotetrafluor...	4.096	85	1390m	0.037	ppbv	95
82]	Vinyl Chloride(sim)	4.202	62	609	0.035	ppbv	95
83]	Bromomethane(sim)	4.551	94	444m	0.036	ppbv	61
84]	Trichlorofluoromethane...	5.272	101	1538	0.036	ppbv#	98
85]	1,2-Dichloroethane(sim)	7.763	62	931m	0.036	ppbv	77
86]	1,1,1-Trichloroethane(...	7.925	97	1188	0.036	ppbv#	97
87]	Benzene(sim)	8.213	78	1480	0.044	ppbv#	79
88]	Carbon Tetrachloride(sim)	8.302	117	1204	0.034	ppbv	97
89]	1,1-Dichloroethene(sim)	5.722	61	1142m	0.039	ppbv	79
90]	Trichlorotrifluoroetha...	5.984	101	1048	0.036	ppbv#	98
91]	Trans-1,2-Dichloroethe...	6.433	61	953m	0.039	ppbv	60
92]	1,1-Dichloroethane(sim)	6.571	63	1054	0.035	ppbv	92
93]	Cis-1,2-Dichloroethene...	7.106	61	921m	0.038	ppbv	60
94]	Chloroform(sim)	7.293	83	1273	0.040	ppbv#	79
96]	1,2-dichloropropane(sim)	8.700	63	743	0.038	ppbv#	88
97]	Bromodichloromethane(sim)	8.813	83	1162m	0.038	ppbv	42
98]	Trichloroethene(sim)	8.839	130	797	0.039	ppbv	95
99]	1,4-Dioxane(sim)	8.839	88	261m	0.041	ppbv	0
100]	cis-1,3-Dichloropropen...	9.336	75	751	0.036	ppbv	97
101]	1,1,2-Trichloroethane(...	9.745	97	573m	0.038	ppbv	70
102]	Dibromochloromethane(sim)	10.160	129	1194	0.035	ppbv	96
103]	1,2-Dibromoethane(EDB)...	10.301	107	970m	0.037	ppbv	98
104]	Tetrachloroethene(sim)	10.547	166	861	0.036	ppbv	94
106]	Bromoform(sim)	11.300	173	1158	0.034	ppbv	98
107]	m,p-Xylene(sim)	11.213	91	3046	0.075	ppbv#	94
108]	1,1,2,2-Tetrachloroeth...	11.482	83	1142	0.034	ppbv#	95
109]	Benzyl chloride(sim)	12.579	91	1160	0.029	ppbv	85
110]	1,3-Dichlorobenzene(sim)	12.590	146	1370	0.033	ppbv	96
111]	1,4-Dichlorobenzene(sim)	12.632	146	1399	0.037	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_06.D
Acq On : 25 Dec 2025 7:20 pm
Operator :
Client ID : ICAL 0.035
Lab ID : 0.035 ppbv
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 26 11:01:23 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

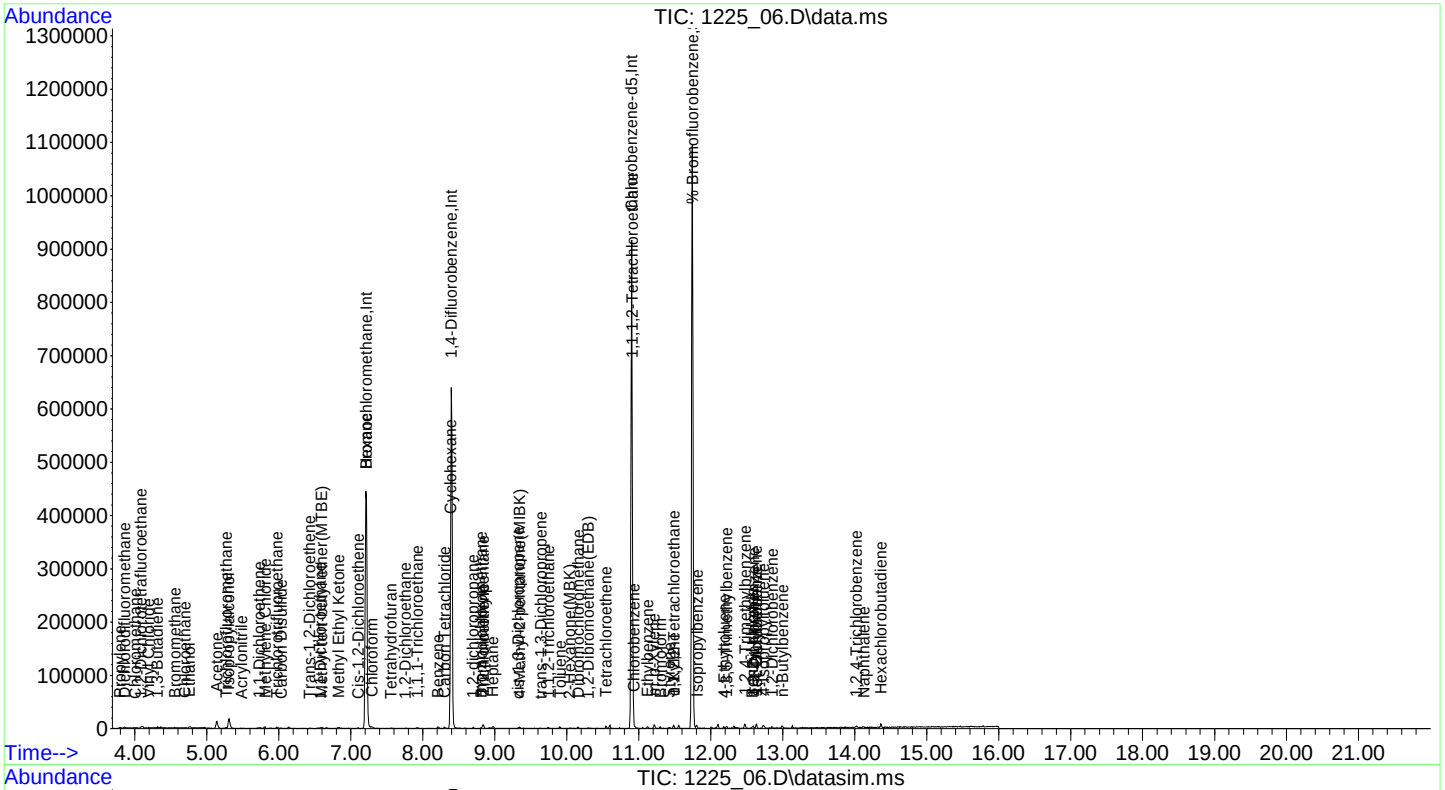
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	1625	0.031	ppbv	96
113] 4-Isopropyltoluene(sim)	12.731	119	2184	0.031	ppbv#	87
114] 1,2-Dichlorobenzene(sim)	12.848	146	1303	0.033	ppbv	98
115] n-Butylbenzene(sim)	12.997	91	1978	0.035	ppbv	96
116] 1,2,4-Trichlorobenzene...	14.025	180	849	0.034	ppbv	99
118] Hexachlorobutadiene(sim)	14.367	225	1197	0.033	ppbv	97

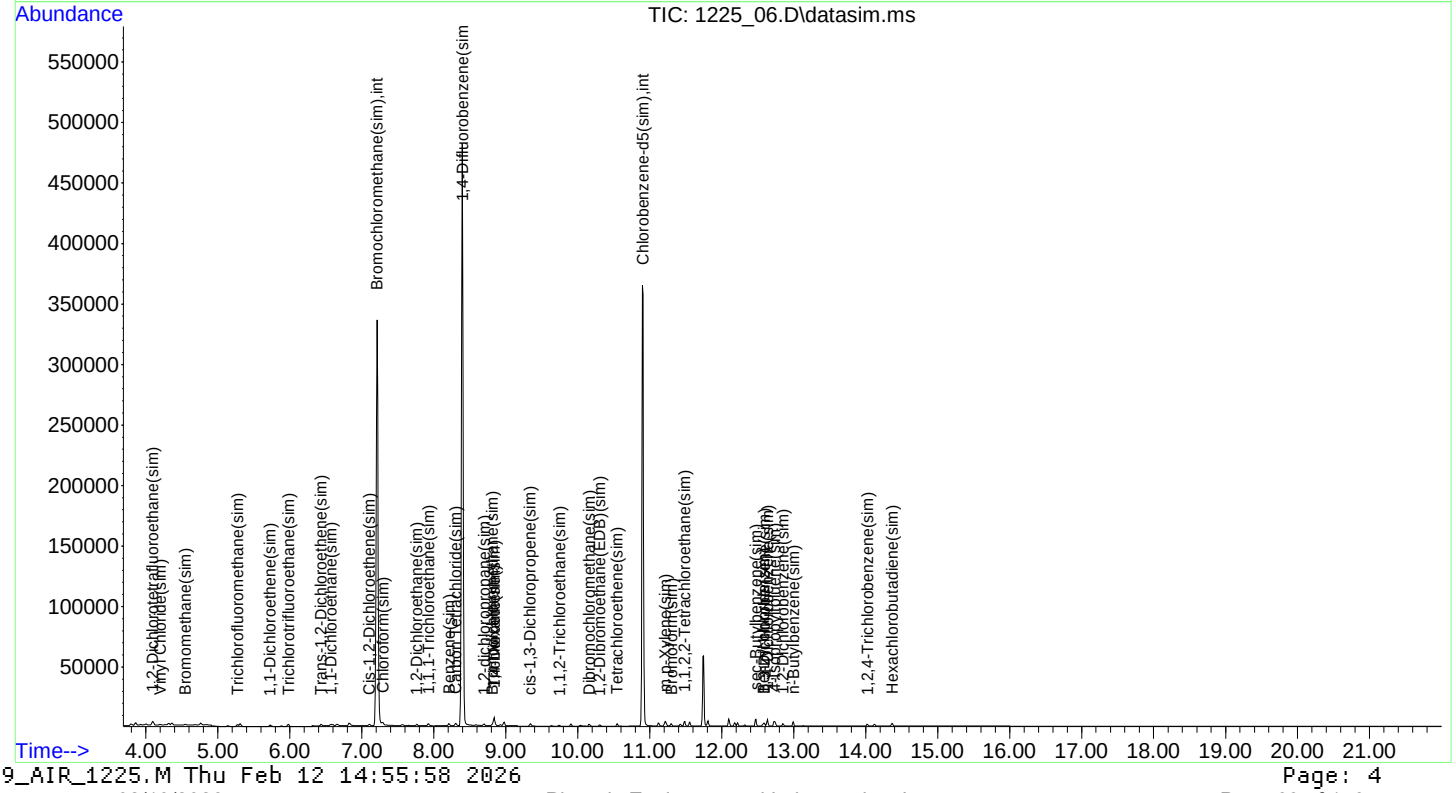
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_06.D
Acq On : 25 Dec 2025 7:20 pm
Operator :
Client ID : ICAL 0.035
Lab ID : 0.035 ppbv
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 26 11:01:23 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_07.D
Acq On : 25 Dec 2025 8:00 pm
Operator :
Client ID : ICAL 0.05
Lab ID : 0.05 ppbv
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 26 11:02:13 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.209	130	105280	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.395	114	365279	10.000	ng		0.00
53) Chlorobenzene-d5	10.903	82	180721	10.000	ng		0.00
80) Bromochloromethane(sim)	7.212	130	107664	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.395	114	365279	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.903	82	180721	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	245513	9.954	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.50%				
Target Compounds							Qvalue
2) Propylene	3.793	41	1476	0.075	ppbv		87
3) Dichlorodifluoromethane	3.850	85	2008	0.049	ppbv#		96
4) Chloromethane	3.988	50	1838	0.079	ppbv		86
5) 1,2-Dichlorotetrafluor...	4.085	85	1874	0.054	ppbv		91
6) Vinyl Chloride	4.191	62	735	0.048	ppbv#		44
7) 1,3-Butadiene	4.304	54	973	0.061	ppbv#		30
8) Bromomethane	4.540	94	794	0.071	ppbv#		70
9) Chloroethane	4.670	64	368	0.062	ppbv#		37
11) Ethanol	4.759	45	1705	0.219	ppbv#		85
12) Acetone	5.134	43	21416	0.595	ppbv		93
13) Trichlorofluoromethane	5.269	101	2005	0.050	ppbv		91
14) Isopropylalcohol	5.299	45	28583	0.743	ppbv#		95
15) Acrylonitrile	5.477	53	394	0.034	ppbv#		69
16) 1,1-Dichloroethene	5.719	61	1387	0.052	ppbv#		90
17) Methylene Chloride	5.797	49	2983	0.100	ppbv#		83
20) Carbon Disulfide	6.023	76	1471	0.050	ppbv#		87
21) Trichlorotrifluoroethane	5.981	101	1077	0.041	ppbv#		86
22) Trans-1,2-Dichloroethene	6.430	61	1044	0.045	ppbv#		79
23) 1,1-Dichloroethane	6.560	63	1431	0.054	ppbv		68
24) Methyl tert-butyl ethe...	6.601	73	1465	0.051	ppbv#		92
25) Methyl Ethyl Ketone	6.820	43	5991	0.130	ppbv#		79
26) Cis-1,2-Dichloroethene	7.095	61	1074	0.047	ppbv#		88
27) Hexane	7.225	57	1407	0.053	ppbv#		84
28) Chloroform	7.290	83	1467	0.055	ppbv#		79
29) Ethyl acetate	0.000	61	0	0.000	ppbv		0
30) Tetrahydrofuran	7.566	42	1319	0.058	ppbv#		59
31) 1,2-Dichloroethane	7.760	62	1283	0.051	ppbv#		90
32) 1,1,1-Trichloroethane	7.923	97	1205	0.040	ppbv#		71
33) Benzene	8.213	78	1815	0.059	ppbv		94
34) Carbon Tetrachloride	8.299	117	1768	0.050	ppbv		96
35) Cyclohexane	8.395	84	1699	0.142	ppbv#		23
37) 1,2-dichloropropane	8.697	63	672	0.040	ppbv#		21
38) Bromodichloromethane	8.810	83	1743	0.060	ppbv		83
39) Trichloroethene	8.844	130	1136	0.068	ppbv#		74
40) 2,2,4-trimethylpentane	8.844	57	4136	0.047	ppbv#		92
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv		0
43) Heptane	8.974	43	1823	0.043	ppbv#		87
44) cis-1,3-Dichloropropene	9.340	75	865	0.043	ppbv		85
45) 4-Methyl-2-pentanone(M...	9.340	43	2352	0.042	ppbv#		81
46) trans-1,3-Dichloropropene	9.629	75	736	0.043	ppbv#		61
47) 1,1,2-Trichloroethane	9.742	97	561	0.039	ppbv#		79
48) Toluene	9.911	91	2081	0.051	ppbv#		96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_07.D
Acq On : 25 Dec 2025 8:00 pm
Operator :
Client ID : ICAL 0.05
Lab ID : 0.05 ppbv
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 26 11:02:13 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.157	129	1193	0.036	ppbv#	80
50) 2-Hexanone(MBK)	10.037	43	1607	0.031	ppbv#	75
51) 1,2-Dibromoethane(EDB)	10.298	107	1168	0.047	ppbv	85
52) Tetrachloroethene	10.551	166	1058	0.047	ppbv	91
54) 1,1,1,2-Tetrachloroethane	10.918	131	1091	0.051	ppbv#	95
55) Chlorobenzene	10.925	112	1478	0.047	ppbv#	28
56) Ethylbenzene	11.122	91	2381	0.049	ppbv	98
57) m,p-Xylene	11.213	91	3663	0.096	ppbv#	92
58) Bromoform	11.297	173	1448	0.045	ppbv	93
59) Styrene	11.426	104	1043	0.037	ppbv#	81
60) 1,1,2,2-Tetrachloroethane	11.486	83	1660	0.058	ppbv#	85
61) o-Xylene	11.486	91	1811	0.045	ppbv	95
65) Isopropylbenzene	11.805	105	3470	0.057	ppbv#	96
66) 4-Ethyltoluene	12.184	105	2580	0.044	ppbv	95
67) 1,3,5-Trimethylbenzene	12.222	105	2119	0.042	ppbv#	96
68) 1,2,4-Trimethylbenzene	12.473	105	2015	0.039	ppbv	91
70) Benzyl chloride	12.579	91	1646	0.038	ppbv#	87
71) 1,3-Dichlorobenzene	12.594	146	1613	0.043	ppbv#	77
72) 1,4-Dichlorobenzene	12.632	146	1326	0.036	ppbv#	87
73) sec-Butylbenzene	12.640	105	3352	0.044	ppbv#	93
74) 4-Isopropyltoluene	12.731	119	2787	0.039	ppbv#	85
75) 1,2-Dichlorobenzene	12.845	146	1726	0.049	ppbv	92
76) n-Butylbenzene	12.997	91	2570	0.042	ppbv	91
77) 1,2,4-Trichlorobenzene	14.022	180	1339	0.056	ppbv#	77
78) Naphthalene	14.121	128	1922	0.037	ppbv#	90
79) Hexachlorobutadiene	14.364	225	1416	0.056	ppbv	92
81] 1,2-Dichlorotetrafluor...	4.085	85	1874	0.050	ppbv	91
82] Vinyl Chloride(sim)	4.194	62	867	0.050	ppbv	97
83] Bromomethane(sim)	4.543	94	642m	0.053	ppbv	66
84] Trichlorofluoromethane...	5.265	101	2155	0.050	ppbv#	99
85] 1,2-Dichloroethane(sim)	7.763	62	1278m	0.050	ppbv	90
86] 1,1,1-Trichloroethane(...	7.926	97	1647	0.050	ppbv#	98
87] Benzene(sim)	8.213	78	1815	0.054	ppbv	94
88] Carbon Tetrachloride(sim)	8.302	117	1766	0.050	ppbv	100
89] 1,1-Dichloroethene(sim)	5.722	61	1598m	0.056	ppbv	90
90] Trichlorotrifluoroetha...	5.972	101	1436	0.050	ppbv#	99
91] Trans-1,2-Dichloroethe...	6.433	61	1333m	0.055	ppbv	79
92] 1,1-Dichloroethane(sim)	6.563	63	1490	0.050	ppbv	98
93] Cis-1,2-Dichloroethene...	7.106	61	1309m	0.055	ppbv	88
94] Chloroform(sim)	7.285	83	1631	0.052	ppbv#	86
96] 1,2-dichloropropane(sim)	8.700	63	967m	0.050	ppbv	95
97] Bromodichloromethane(sim)	8.813	83	1601m	0.053	ppbv	85
98] Trichloroethene(sim)	8.839	130	1130	0.056	ppbv	92
99] 1,4-Dioxane(sim)	8.839	88	340m	0.053	ppbv	0
100] cis-1,3-Dichloropropen...	9.336	75	943	0.046	ppbv	97
101] 1,1,2-Trichloroethane(...	9.745	97	751m	0.050	ppbv	86
102] Dibromochloromethane(sim)	10.160	129	1599	0.047	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.301	107	1300m	0.050	ppbv	99
104] Tetrachloroethene(sim)	10.547	166	1167	0.050	ppbv	94
106] Bromoform(sim)	11.300	173	1605	0.049	ppbv	99
107] m,p-Xylene(sim)	11.213	91	3663	0.092	ppbv#	92
108] 1,1,2,2-Tetrachloroeth...	11.482	83	1559	0.048	ppbv#	96
109] Benzyl chloride(sim)	12.579	91	1848	0.048	ppbv	84
110] 1,3-Dichlorobenzene(sim)	12.590	146	1861	0.046	ppbv	98
111] 1,4-Dichlorobenzene(sim)	12.635	146	1721m	0.047	ppbv	79

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_07.D
Acq On : 25 Dec 2025 8:00 pm
Operator :
Client ID : ICAL 0.05
Lab ID : 0.05 ppbv
ALS Vial : 17 Sample Multiplier: 1

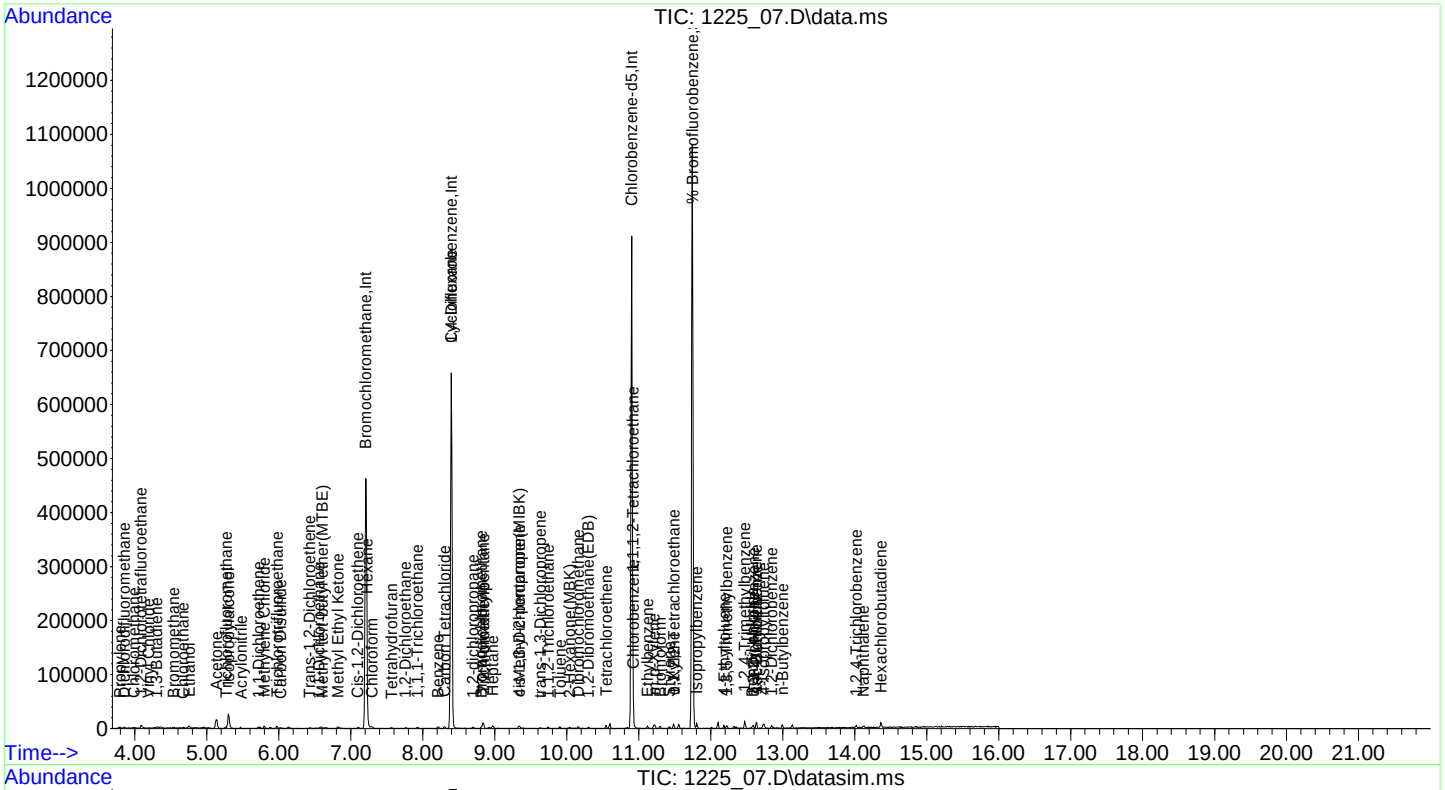
Quant Time: Dec 26 11:02:13 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

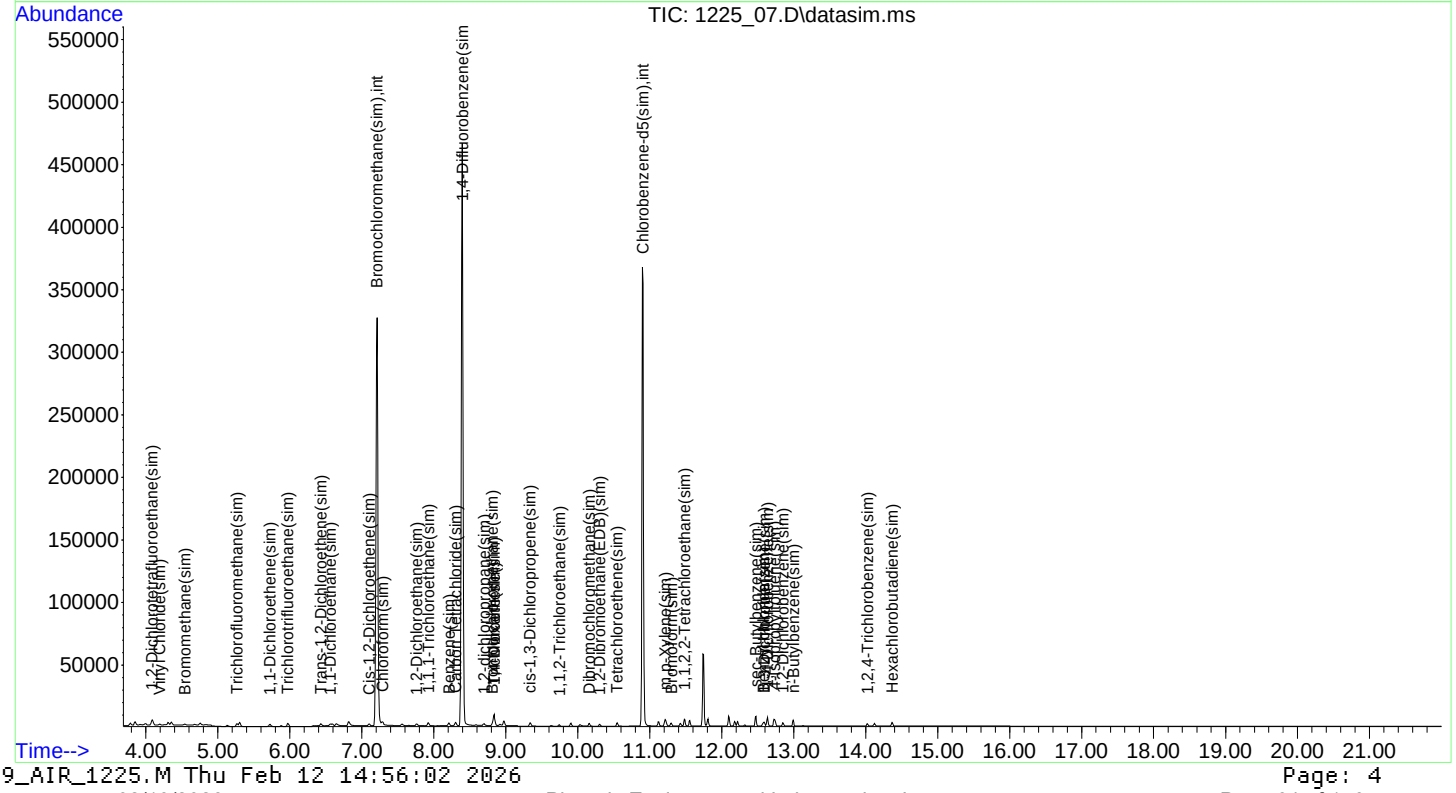
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	2196	0.043	ppbv	94
113] 4-Isopropyltoluene(sim)	12.731	119	2787	0.041	ppbv#	85
114] 1,2-Dichlorobenzene(sim)	12.848	146	1747	0.046	ppbv	95
115] n-Butylbenzene(sim)	12.997	91	2570	0.046	ppbv	98
116] 1,2,4-Trichlorobenzene...	14.025	180	1074	0.044	ppbv	98
118] Hexachlorobutadiene(sim)	14.367	225	1557	0.044	ppbv	98

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_07.D
Acq On : 25 Dec 2025 8:00 pm
Operator :
Client ID : ICAL 0.05
Lab ID : 0.05 ppbv
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 26 11:02:13 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_08.D
Acq On : 25 Dec 2025 8:36 pm
Operator :
Client ID : ICAL 0.1
Lab ID : 0.10 ppbv
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 26 11:02:31 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.209	130	103979	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.395	114	356099	10.000	ng		0.00
53) Chlorobenzene-d5	10.903	82	180021	10.000	ng		0.00
80) Bromochloromethane(sim)	7.212	130	105836	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.395	114	356099	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.903	82	180021	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	244721	9.960	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.60%				
Target Compounds							Qvalue
2) Propylene	3.785	41	2010	0.104	ppbv#		89
3) Dichlorodifluoromethane	3.850	85	4142	0.103	ppbv#		91
4) Chloromethane	3.996	50	2649	0.115	ppbv		96
5) 1,2-Dichlorotetrafluor...	4.085	85	3776	0.110	ppbv		95
6) Vinyl Chloride	4.191	62	1799	0.119	ppbv		78
7) 1,3-Butadiene	4.313	54	1713	0.108	ppbv#		87
8) Bromomethane	4.548	94	777	0.070	ppbv#		56
9) Chloroethane	4.678	64	723	0.123	ppbv#		59
11) Ethanol	4.759	45	1180	0.154	ppbv#		79
12) Acetone	5.134	43	5083	0.143	ppbv		95
13) Trichlorofluoromethane	5.269	101	4336	0.110	ppbv		99
14) Isopropylalcohol	5.312	45	3414	0.090	ppbv#		89
15) Acrylonitrile	5.477	53	1005	0.087	ppbv#		72
16) 1,1-Dichloroethene	5.713	61	2607	0.099	ppbv		92
17) Methylene Chloride	5.803	49	4574	0.156	ppbv#		78
20) Carbon Disulfide	6.023	76	3201	0.111	ppbv#		87
21) Trichlorotrifluoroethane	5.975	101	2732	0.106	ppbv		92
22) Trans-1,2-Dichloroethene	6.430	61	2281	0.099	ppbv		91
23) 1,1-Dichloroethane	6.568	63	2638	0.100	ppbv		93
24) Methyl tert-butyl ethe...	6.593	73	2545	0.090	ppbv#		68
25) Methyl Ethyl Ketone	6.828	43	3597	0.079	ppbv#		73
26) Cis-1,2-Dichloroethene	7.103	61	2074	0.092	ppbv		93
27) Hexane	7.225	57	2491	0.095	ppbv#		73
28) Chloroform	7.290	83	2764	0.105	ppbv		88
29) Ethyl acetate	7.225	61	158	0.031	ppbv#		31
30) Tetrahydrofuran	7.566	42	1824	0.082	ppbv#		65
31) 1,2-Dichloroethane	7.768	62	2453	0.099	ppbv#		87
32) 1,1,1-Trichloroethane	7.923	97	3071	0.103	ppbv		98
33) Benzene	8.222	78	3116	0.102	ppbv#		75
34) Carbon Tetrachloride	8.308	117	3304	0.094	ppbv		85
35) Cyclohexane	8.395	84	2584	0.218	ppbv#		52
37) 1,2-dichloropropane	8.697	63	2218	0.137	ppbv#		89
38) Bromodichloromethane	8.818	83	2748	0.097	ppbv		94
39) Trichloroethene	8.836	130	1564	0.096	ppbv		93
40) 2,2,4-trimethylpentane	8.836	57	8424	0.099	ppbv		98
41) 1,4-Dioxane	8.836	88	483	0.074	ppbv#		42
43) Heptane	8.974	43	4057	0.099	ppbv#		91
44) cis-1,3-Dichloropropene	9.333	75	1708	0.087	ppbv		91
45) 4-Methyl-2-pentanone(M...	9.340	43	4650	0.086	ppbv#		91
46) trans-1,3-Dichloropropene	9.636	75	1266	0.077	ppbv#		82
47) 1,1,2-Trichloroethane	9.742	97	1318	0.094	ppbv		93
48) Toluene	9.903	91	3997	0.101	ppbv		96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_08.D
Acq On : 25 Dec 2025 8:36 pm
Operator :
Client ID : ICAL 0.1
Lab ID : 0.10 ppbv
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 26 11:02:31 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.164	129	3340	0.102	ppbv	90
50) 2-Hexanone(MBK)	10.030	43	3462	0.068	ppbv#	90
51) 1,2-Dibromoethane(EDB)	10.305	107	2555	0.106	ppbv	97
52) Tetrachloroethene	10.544	166	2348	0.108	ppbv	91
54) 1,1,1,2-Tetrachloroethane	10.910	131	2429	0.115	ppbv#	87
55) Chlorobenzene	10.925	112	3536	0.112	ppbv#	22
56) Ethylbenzene	11.122	91	4916	0.101	ppbv	98
57) m,p-Xylene	11.213	91	7194	0.188	ppbv	95
58) Bromoform	11.297	173	3705	0.115	ppbv	93
59) Styrene	11.426	104	2367	0.085	ppbv#	90
60) 1,1,2,2-Tetrachloroethane	11.486	83	3053	0.108	ppbv	98
61) o-Xylene	11.486	91	3596	0.089	ppbv	97
65) Isopropylbenzene	11.812	105	6532	0.107	ppbv	96
66) 4-Ethyltoluene	12.184	105	5070	0.087	ppbv	98
67) 1,3,5-Trimethylbenzene	12.222	105	4266	0.084	ppbv	91
68) 1,2,4-Trimethylbenzene	12.473	105	4022	0.079	ppbv	95
70) Benzyl chloride	12.572	91	3135	0.073	ppbv	97
71) 1,3-Dichlorobenzene	12.594	146	3199	0.086	ppbv	92
72) 1,4-Dichlorobenzene	12.632	146	3285	0.090	ppbv	98
73) sec-Butylbenzene	12.640	105	6523	0.087	ppbv#	92
74) 4-Isopropyltoluene	12.724	119	5664	0.080	ppbv	98
75) 1,2-Dichlorobenzene	12.853	146	3253	0.093	ppbv	95
76) n-Butylbenzene	12.997	91	4768	0.078	ppbv	99
77) 1,2,4-Trichlorobenzene	14.022	180	1449	0.061	ppbv	95
78) Naphthalene	14.128	128	2568	0.050	ppbv#	85
79) Hexachlorobutadiene	14.372	225	2668	0.105	ppbv	89
81] 1,2-Dichlorotetrafluor...	4.085	85	3776	0.103	ppbv	95
82] Vinyl Chloride(sim)	4.194	62	1690	0.100	ppbv	98
83] Bromomethane(sim)	4.543	94	1240m	0.104	ppbv	57
84] Trichlorofluoromethane...	5.265	101	4333	0.103	ppbv#	99
85] 1,2-Dichloroethane(sim)	7.768	62	2453	0.098	ppbv#	87
86] 1,1,1-Trichloroethane(...	7.925	97	3371	0.104	ppbv#	98
87] Benzene(sim)	8.222	78	3116	0.095	ppbv#	75
88] Carbon Tetrachloride(sim)	8.302	117	3601	0.104	ppbv	99
89] 1,1-Dichloroethene(sim)	5.713	61	2607	0.092	ppbv	96
90] Trichlorotrifluoroetha...	5.978	101	2946	0.105	ppbv#	100
91] Trans-1,2-Dichloroethe...	6.430	61	2281	0.095	ppbv	91
92] 1,1-Dichloroethane(sim)	6.563	63	2979	0.102	ppbv	99
93] Cis-1,2-Dichloroethene...	7.103	61	2074	0.088	ppbv#	89
94] Chloroform(sim)	7.293	83	2999	0.098	ppbv#	85
96] 1,2-dichloropropane(sim)	8.700	63	1901	0.101	ppbv#	80
97] Bromodichloromethane(sim)	8.818	83	2748	0.094	ppbv	96
98] Trichloroethene(sim)	8.839	130	1819	0.093	ppbv	95
99] 1,4-Dioxane(sim)	8.836	88	483	0.078	ppbv#	55
100] cis-1,3-Dichloropropen...	9.336	75	1965	0.098	ppbv	97
101] 1,1,2-Trichloroethane(...	9.742	97	1318	0.090	ppbv	93
102] Dibromochloromethane(sim)	10.160	129	3330	0.100	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.305	107	2555	0.102	ppbv	97
104] Tetrachloroethene(sim)	10.547	166	2327	0.101	ppbv	97
106] Bromoform(sim)	11.300	173	3165	0.096	ppbv	98
107] m,p-Xylene(sim)	11.213	91	7194	0.181	ppbv	94
108] 1,1,2,2-Tetrachloroeth...	11.482	83	3063	0.094	ppbv#	96
109] Benzyl chloride(sim)	12.572	91	3250	0.084	ppbv	97
110] 1,3-Dichlorobenzene(sim)	12.590	146	3707	0.091	ppbv	98
111] 1,4-Dichlorobenzene(sim)	12.632	146	3285	0.090	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_08.D
Acq On : 25 Dec 2025 8:36 pm
Operator :
Client ID : ICAL 0.1
Lab ID : 0.10 ppbv
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 26 11:02:31 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

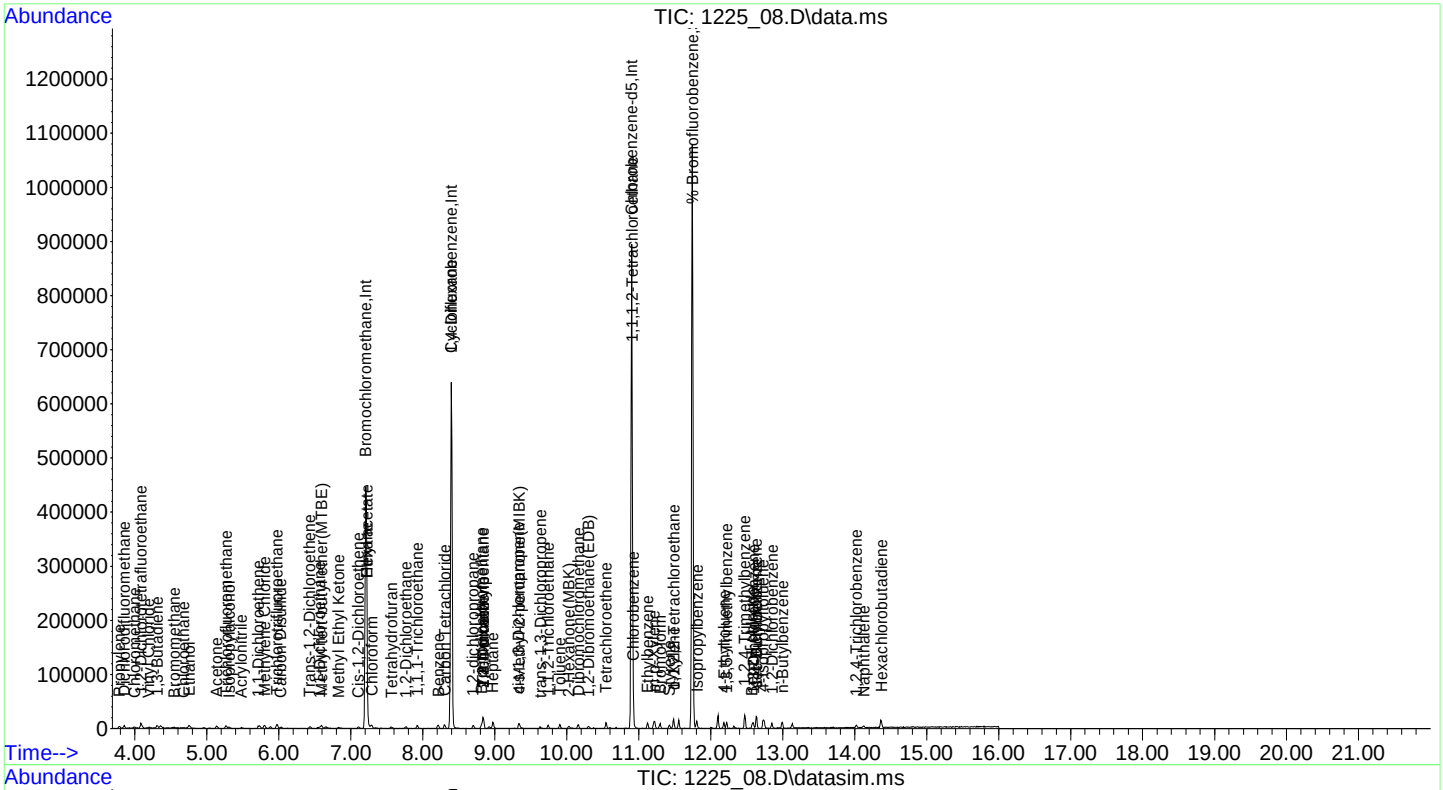
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	4409	0.086	ppbv	96
113] 4-Isopropyltoluene(sim)	12.724	119	5664	0.083	ppbv	98
114] 1,2-Dichlorobenzene(sim)	12.848	146	3444	0.090	ppbv	98
115] n-Butylbenzene(sim)	12.997	91	4768	0.085	ppbv	99
116] 1,2,4-Trichlorobenzene...	14.025	180	1685	0.069	ppbv	98
118] Hexachlorobutadiene(sim)	14.367	225	2559	0.072	ppbv	99

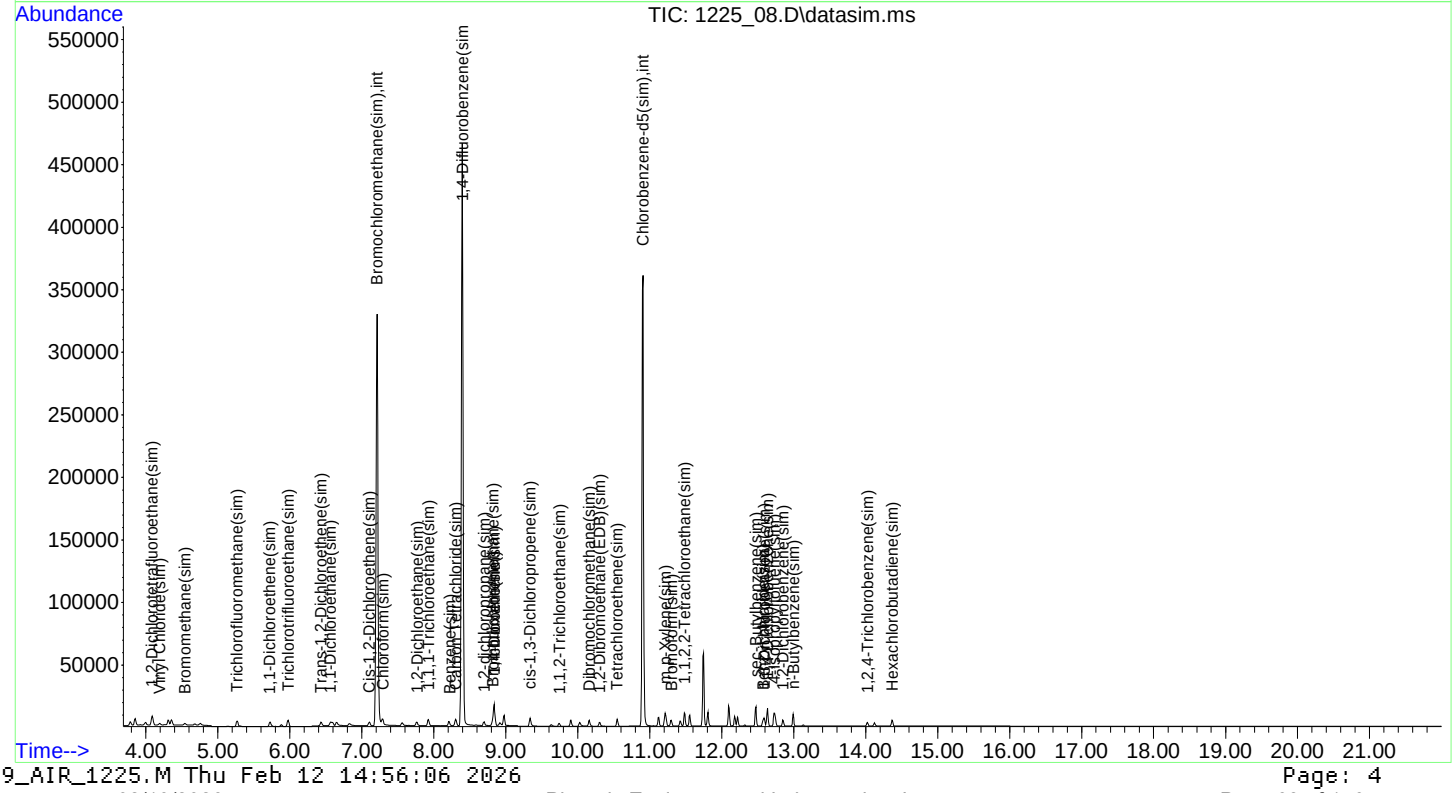
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_08.D
Acq On : 25 Dec 2025 8:36 pm
Operator :
Client ID : ICAL 0.1
Lab ID : 0.10 ppbv
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 26 11:02:31 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_09.D
Acq On : 25 Dec 2025 9:13 pm
Operator :
Client ID : ICAL 0.2
Lab ID : 0.20 ppbv
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 26 10:57:15 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.217	130	102663	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.403	114	350471	10.000	ng		0.00
53) Chlorobenzene-d5	10.902	82	174975	10.000	ng		0.00
80) Bromochloromethane(sim)	7.212	130	103577	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.403	114	350471	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.902	82	174975	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	243059	10.178	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.80%				
Target Compounds							Qvalue
2) Propylene	3.793	41	4574	0.239	ppbv		91
3) Dichlorodifluoromethane	3.850	85	7974	0.201	ppbv#		92
4) Chloromethane	3.996	50	5436	0.240	ppbv		98
5) 1,2-Dichlorotetrafluor...	4.093	85	6877	0.202	ppbv		93
6) Vinyl Chloride	4.199	62	2982	0.200	ppbv		92
7) 1,3-Butadiene	4.320	54	3016	0.193	ppbv		87
8) Bromomethane	4.548	94	2340	0.214	ppbv#		92
9) Chloroethane	4.686	64	1073	0.184	ppbv		83
11) Ethanol	4.767	45	2069	0.273	ppbv		99
12) Acetone	5.140	43	8572	0.244	ppbv		97
13) Trichlorofluoromethane	5.268	101	9003	0.231	ppbv		97
14) Isopropylalcohol	5.311	45	7566	0.202	ppbv#		95
15) Acrylonitrile	5.477	53	2055	0.180	ppbv		96
16) 1,1-Dichloroethene	5.725	61	5047	0.194	ppbv		99
17) Methylene Chloride	5.802	49	7144	0.246	ppbv#		77
20) Carbon Disulfide	6.029	76	5835	0.204	ppbv		100
21) Trichlorotrifluoroethane	5.975	101	5442	0.213	ppbv		97
22) Trans-1,2-Dichloroethene	6.438	61	4428	0.194	ppbv		95
23) 1,1-Dichloroethane	6.568	63	5105	0.197	ppbv		92
24) Methyl tert-butyl ethe...	6.601	73	5000	0.178	ppbv#		72
25) Methyl Ethyl Ketone	6.828	43	8679	0.193	ppbv#		82
26) Cis-1,2-Dichloroethene	7.103	61	4593	0.206	ppbv#		84
27) Hexane	7.225	57	4906	0.189	ppbv#		66
28) Chloroform	7.290	83	5532	0.213	ppbv		87
29) Ethyl acetate	7.225	61	780	0.155	ppbv#		55
30) Tetrahydrofuran	7.557	42	3971	0.180	ppbv#		80
31) 1,2-Dichloroethane	7.768	62	4819	0.197	ppbv		93
32) 1,1,1-Trichloroethane	7.922	97	6286	0.213	ppbv		94
33) Benzene	8.213	78	6169	0.205	ppbv#		89
34) Carbon Tetrachloride	8.308	117	6986	0.202	ppbv		95
35) Cyclohexane	8.386	84	3366	0.288	ppbv#		61
37) 1,2-dichloropropane	8.697	63	2999	0.188	ppbv#		65
38) Bromodichloromethane	8.818	83	6249	0.224	ppbv		92
39) Trichloroethene	8.836	130	3099	0.193	ppbv		87
40) 2,2,4-trimethylpentane	8.844	57	16144	0.193	ppbv		95
41) 1,4-Dioxane	8.827	88	1056	0.165	ppbv#		79
43) Heptane	8.974	43	7129	0.177	ppbv#		90
44) cis-1,3-Dichloropropene	9.333	75	3724	0.193	ppbv		91
45) 4-Methyl-2-pentanone(M...	9.340	43	9612	0.180	ppbv#		90
46) trans-1,3-Dichloropropene	9.629	75	3278	0.202	ppbv#		84
47) 1,1,2-Trichloroethane	9.741	97	2786	0.202	ppbv		99
48) Toluene	9.903	91	8255	0.212	ppbv#		97

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_09.D
Acq On : 25 Dec 2025 9:13 pm
Operator :
Client ID : ICAL 0.2
Lab ID : 0.20 ppbv
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 26 10:57:15 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.157	129	6084	0.189	ppbv	95
50) 2-Hexanone(MBK)	10.023	43	8541	0.169	ppbv#	87
51) 1,2-Dibromoethane(EDB)	10.305	107	4357	0.184	ppbv	95
52) Tetrachloroethene	10.551	166	4649	0.217	ppbv	99
54) 1,1,1,2-Tetrachloroethane	10.918	131	4814	0.235	ppbv	91
55) Chlorobenzene	10.925	112	6926	0.225	ppbv#	70
56) Ethylbenzene	11.122	91	9925	0.209	ppbv	96
57) m,p-Xylene	11.213	91	14515	0.391	ppbv	98
58) Bromoform	11.297	173	6477	0.207	ppbv	98
59) Styrene	11.426	104	4580	0.170	ppbv	93
60) 1,1,2,2-Tetrachloroethane	11.486	83	5480	0.199	ppbv#	88
61) o-Xylene	11.486	91	7144	0.182	ppbv	96
65) Isopropylbenzene	11.805	105	13223	0.224	ppbv	97
66) 4-Ethyltoluene	12.184	105	10462	0.184	ppbv	98
67) 1,3,5-Trimethylbenzene	12.222	105	9027	0.184	ppbv	97
68) 1,2,4-Trimethylbenzene	12.473	105	8402	0.169	ppbv	97
70) Benzyl chloride	12.579	91	6817	0.163	ppbv	95
71) 1,3-Dichlorobenzene	12.587	146	6842	0.188	ppbv	96
72) 1,4-Dichlorobenzene	12.632	146	6768	0.190	ppbv	96
73) sec-Butylbenzene	12.640	105	13118	0.179	ppbv	98
74) 4-Isopropyltoluene	12.731	119	12492	0.181	ppbv	99
75) 1,2-Dichlorobenzene	12.852	146	6471	0.190	ppbv	99
76) n-Butylbenzene	12.997	91	10308	0.174	ppbv	92
77) 1,2,4-Trichlorobenzene	14.022	180	3465	0.151	ppbv	98
78) Naphthalene	14.121	128	6108	0.122	ppbv#	93
79) Hexachlorobutadiene	14.364	225	4766	0.194	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.093	85	6877	0.192	ppbv	93
82] Vinyl Chloride(sim)	4.202	62	3327	0.200	ppbv	100
83] Bromomethane(sim)	4.548	94	2340	0.200	ppbv	92
84] Trichlorofluoromethane...	5.271	101	8524	0.207	ppbv#	100
85] 1,2-Dichloroethane(sim)	7.768	62	4819	0.197	ppbv	93
86] 1,1,1-Trichloroethane(...	7.925	97	6475	0.204	ppbv#	97
87] Benzene(sim)	8.213	78	6169	0.192	ppbv#	89
88] Carbon Tetrachloride(sim)	8.302	117	6943	0.204	ppbv	99
89] 1,1-Dichloroethene(sim)	5.725	61	5047	0.182	ppbv	99
90] Trichlorotrifluoroetha...	5.978	101	5614	0.204	ppbv#	99
91] Trans-1,2-Dichloroethe...	6.438	61	4428	0.189	ppbv	95
92] 1,1-Dichloroethane(sim)	6.563	63	5741	0.200	ppbv	98
93] Cis-1,2-Dichloroethene...	7.103	61	4593	0.199	ppbv#	84
94] Chloroform(sim)	7.293	83	5804	0.193	ppbv#	89
96] 1,2-dichloropropane(sim)	8.700	63	3723	0.201	ppbv#	82
97] Bromodichloromethane(sim)	8.818	83	6249	0.216	ppbv	91
98] Trichloroethene(sim)	8.838	130	3522	0.183	ppbv	95
99] 1,4-Dioxane(sim)	8.827	88	1056	0.173	ppbv#	79
100] cis-1,3-Dichloropropen...	9.336	75	3986	0.201	ppbv	98
101] 1,1,2-Trichloroethane(...	9.741	97	2786	0.193	ppbv	99
102] Dibromochloromethane(sim)	10.160	129	6584	0.202	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.305	107	4357	0.176	ppbv	95
104] Tetrachloroethene(sim)	10.547	166	4565	0.202	ppbv	95
106] Bromoform(sim)	11.300	173	6304	0.198	ppbv	99
107] m,p-Xylene(sim)	11.213	91	14515	0.376	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.482	83	6040	0.192	ppbv#	95
109] Benzyl chloride(sim)	12.579	91	6947	0.184	ppbv	95
110] 1,3-Dichlorobenzene(sim)	12.590	146	7429	0.188	ppbv	99
111] 1,4-Dichlorobenzene(sim)	12.632	146	6768	0.191	ppbv	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_09.D
Acq On : 25 Dec 2025 9:13 pm
Operator :
Client ID : ICAL 0.2
Lab ID : 0.20 ppbv
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 26 10:57:15 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

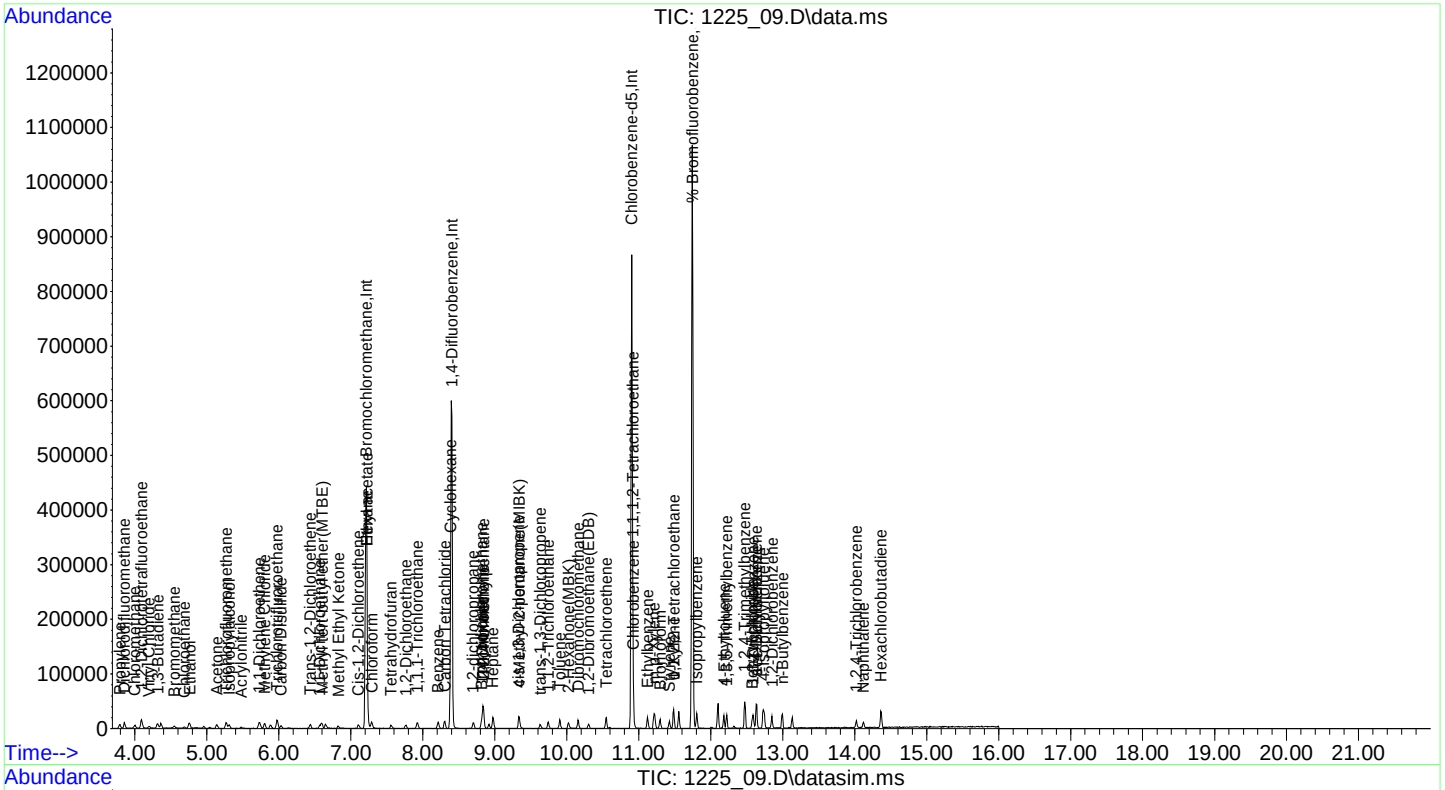
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	9014	0.181	ppbv	95
113] 4-Isopropyltoluene(sim)	12.731	119	12492	0.188	ppbv	99
114] 1,2-Dichlorobenzene(sim)	12.848	146	6868	0.185	ppbv	99
115] n-Butylbenzene(sim)	12.997	91	10308	0.190	ppbv	92
116] 1,2,4-Trichlorobenzene...	14.025	180	3791	0.159	ppbv	97
118] Hexachlorobutadiene(sim)	14.367	225	5158	0.149	ppbv	98

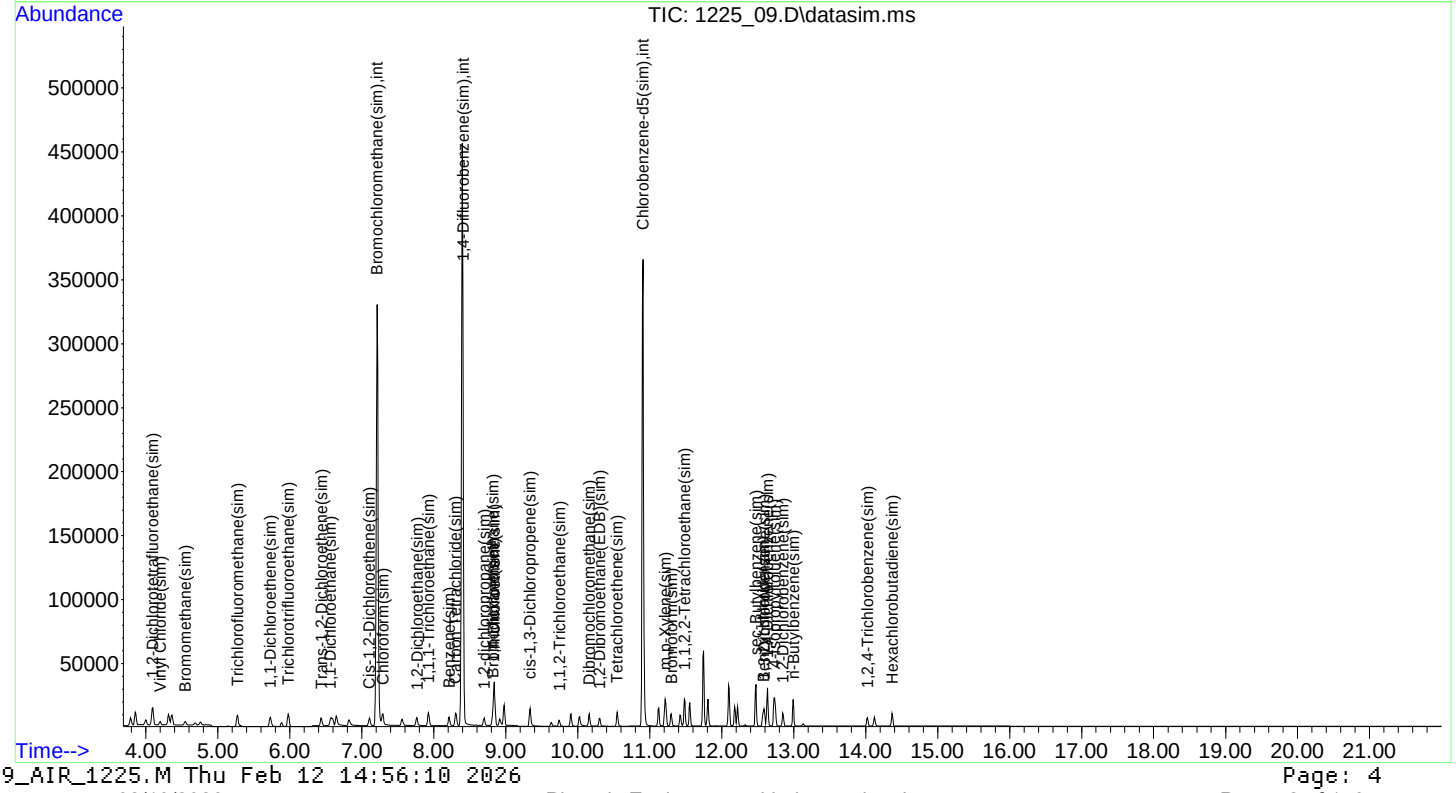
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_09.D
Acq On : 25 Dec 2025 9:13 pm
Operator :
Client ID : ICAL 0.2
Lab ID : 0.20 ppbv
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 26 10:57:15 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_10.D
Acq On : 25 Dec 2025 9:52 pm
Operator :
Client ID : ICAL 0.5
Lab ID : 0.5 ppbv
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 26 10:57:18 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.209	130	100535	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.395	114	354713	10.000	ng		0.00
53) Chlorobenzene-d5	10.902	82	176990	10.000	ng		0.00
80) Bromochloromethane(sim)	7.212	130	104136	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.395	114	354713	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.902	82	177152	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	250667	10.377	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.80%				
Target Compounds							Qvalue
2) Propylene	3.785	41	10109	0.539	ppbv		99
3) Dichlorodifluoromethane	3.850	85	19607	0.505	ppbv#		91
4) Chloromethane	3.996	50	11740	0.529	ppbv		99
5) 1,2-Dichlorotetrafluor...	4.085	85	17426	0.524	ppbv		92
6) Vinyl Chloride	4.191	62	7499	0.513	ppbv		100
7) 1,3-Butadiene	4.313	54	7656	0.501	ppbv		91
8) Bromomethane	4.532	94	5721	0.534	ppbv		94
9) Chloroethane	4.686	64	3532	0.620	ppbv		89
11) Ethanol	4.759	45	4000	0.538	ppbv		99
12) Acetone	5.127	43	19278	0.561	ppbv		93
13) Trichlorofluoromethane	5.262	101	20774	0.544	ppbv		96
14) Isopropylalcohol	5.305	45	18438	0.502	ppbv		94
15) Acrylonitrile	5.471	53	5669	0.507	ppbv		93
16) 1,1-Dichloroethene	5.719	61	13374	0.525	ppbv		96
17) Methylene Chloride	5.797	49	16345	0.575	ppbv#		78
20) Carbon Disulfide	6.023	76	14649	0.523	ppbv		100
21) Trichlorotrifluoroethane	5.975	101	13103	0.523	ppbv		96
22) Trans-1,2-Dichloroethene	6.430	61	11602	0.519	ppbv		93
23) 1,1-Dichloroethane	6.568	63	12729	0.501	ppbv		96
24) Methyl tert-butyl ethe...	6.593	73	13047	0.476	ppbv#		73
25) Methyl Ethyl Ketone	6.811	43	22721	0.515	ppbv#		90
26) Cis-1,2-Dichloroethene	7.103	61	11275	0.516	ppbv#		88
27) Hexane	7.217	57	11373	0.448	ppbv#		68
28) Chloroform	7.290	83	13624	0.534	ppbv		92
29) Ethyl acetate	7.209	61	2412	0.488	ppbv#		77
30) Tetrahydrofuran	7.549	42	10337	0.478	ppbv#		84
31) 1,2-Dichloroethane	7.760	62	12177	0.508	ppbv#		90
32) 1,1,1-Trichloroethane	7.923	97	14890	0.516	ppbv		96
33) Benzene	8.213	78	15093	0.512	ppbv#		87
34) Carbon Tetrachloride	8.299	117	17197	0.507	ppbv		93
35) Cyclohexane	8.386	84	5389	0.471	ppbv#		46
37) 1,2-dichloropropane	8.697	63	8332	0.517	ppbv#		82
38) Bromodichloromethane	8.810	83	14137	0.502	ppbv		94
39) Trichloroethene	8.836	130	8483	0.522	ppbv		95
40) 2,2,4-trimethylpentane	8.836	57	40377	0.477	ppbv		96
41) 1,4-Dioxane	8.827	88	2853	0.440	ppbv#		76
43) Heptane	8.974	43	20262	0.496	ppbv#		86
44) cis-1,3-Dichloropropene	9.333	75	9282	0.476	ppbv		92
45) 4-Methyl-2-pentanone(M...	9.333	43	26438	0.488	ppbv#		91
46) trans-1,3-Dichloropropene	9.622	75	7377	0.449	ppbv		96
47) 1,1,2-Trichloroethane	9.735	97	7691	0.552	ppbv		86
48) Toluene	9.903	91	20814	0.528	ppbv		99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_10.D
Acq On : 25 Dec 2025 9:52 pm
Operator :
Client ID : ICAL 0.5
Lab ID : 0.5 ppbv
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 26 10:57:18 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.157	129	16174	0.497	ppbv	98
50) 2-Hexanone(MBK)	10.016	43	23163	0.453	ppbv#	93
51) 1,2-Dibromoethane(EDB)	10.298	107	12193	0.508	ppbv	99
52) Tetrachloroethene	10.544	166	11119	0.513	ppbv	97
54) 1,1,1,2-Tetrachloroethane	10.918	131	10894	0.525	ppbv	93
55) Chlorobenzene	10.925	112	17052	0.548	ppbv	99
56) Ethylbenzene	11.122	91	24274	0.506	ppbv	96
57) m,p-Xylene	11.221	91	38155	1.016	ppbv	98
58) Bromoform	11.297	173	16789	0.530	ppbv	98
59) Styrene	11.426	104	13129	0.481	ppbv	92
60) 1,1,2,2-Tetrachloroethane	11.486	83	13481	0.483	ppbv	89
61) o-Xylene	11.486	91	19068	0.481	ppbv	92
65) Isopropylbenzene	11.805	105	31153	0.521	ppbv	95
66) 4-Ethyltoluene	12.184	105	26805	0.465	ppbv	95
67) 1,3,5-Trimethylbenzene	12.222	105	23542	0.473	ppbv	96
68) 1,2,4-Trimethylbenzene	12.473	105	22320	0.444	ppbv	95
70) Benzyl chloride	12.572	91	17004	0.402	ppbv#	95
71) 1,3-Dichlorobenzene	12.594	146	17056	0.464	ppbv	96
72) 1,4-Dichlorobenzene	12.632	146	16100	0.448	ppbv	99
73) sec-Butylbenzene	12.640	105	34527	0.467	ppbv	95
74) 4-Isopropyltoluene	12.731	119	33534	0.480	ppbv	97
75) 1,2-Dichlorobenzene	12.853	146	16022	0.464	ppbv	97
76) n-Butylbenzene	12.997	91	27758	0.464	ppbv	96
77) 1,2,4-Trichlorobenzene	14.022	180	9384	0.403	ppbv	99
78) Naphthalene	14.121	128	18727	0.371	ppbv#	95
79) Hexachlorobutadiene	14.364	225	12019	0.483	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.085	85	17426	0.484	ppbv	92
82] Vinyl Chloride(sim)	4.194	62	7921	0.474	ppbv	100
83] Bromomethane(sim)	4.532	94	5721	0.486	ppbv	95
84] Trichlorofluoromethane...	5.265	101	20739	0.501	ppbv#	99
85] 1,2-Dichloroethane(sim)	7.760	62	12177	0.495	ppbv#	90
86] 1,1,1-Trichloroethane(...	7.925	97	15947	0.499	ppbv#	98
87] Benzene(sim)	8.213	78	15093	0.466	ppbv#	87
88] Carbon Tetrachloride(sim)	8.302	117	17290	0.506	ppbv	99
89] 1,1-Dichloroethene(sim)	5.719	61	13374	0.481	ppbv	96
90] Trichlorotrifluoroetha...	5.972	101	13754	0.497	ppbv#	99
91] Trans-1,2-Dichloroethe...	6.430	61	11602	0.492	ppbv	93
92] 1,1-Dichloroethane(sim)	6.563	63	14232	0.493	ppbv	98
93] Cis-1,2-Dichloroethene...	7.103	61	11275	0.486	ppbv#	88
94] Chloroform(sim)	7.285	83	14123	0.467	ppbv#	91
96] 1,2-dichloropropane(sim)	8.700	63	9029	0.481	ppbv#	79
97] Bromodichloromethane(sim)	8.810	83	14137	0.484	ppbv	93
98] Trichloroethene(sim)	8.839	130	8910	0.457	ppbv	94
99] 1,4-Dioxane(sim)	8.827	88	2853	0.462	ppbv#	76
100] cis-1,3-Dichloropropen...	9.329	75	9948	0.496	ppbv	98
101] 1,1,2-Trichloroethane(...	9.735	97	7761	0.530	ppbv	85
102] Dibromochloromethane(sim)	10.160	129	16181	0.489	ppbv	100
103] 1,2-Dibromoethane(EDB)...	10.298	107	12193	0.487	ppbv	99
104] Tetrachloroethene(sim)	10.547	166	11285	0.494	ppbv	97
106] Bromoform(sim)	11.300	173	15710	0.486	ppbv	100
107] m,p-Xylene(sim)	11.221	91	38155	0.977	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.482	83	14799	0.464	ppbv#	95
109] Benzyl chloride(sim)	12.572	91	17004	0.446	ppbv	95
110] 1,3-Dichlorobenzene(sim)	12.590	146	18525	0.462	ppbv	98
111] 1,4-Dichlorobenzene(sim)	12.632	146	16100	0.448	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_10.D
Acq On : 25 Dec 2025 9:52 pm
Operator :
Client ID : ICAL 0.5
Lab ID : 0.5 ppbv
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 26 10:57:18 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

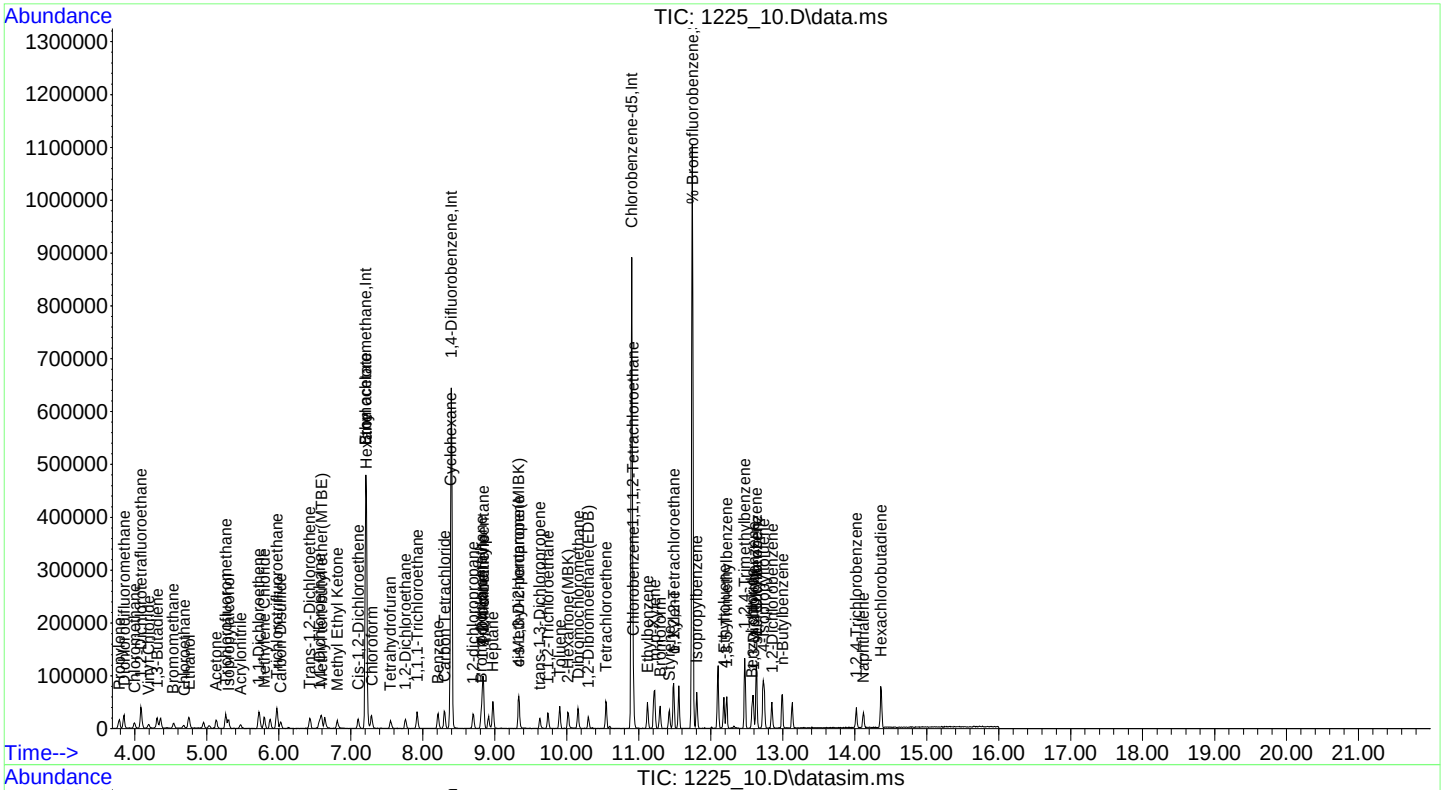
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	23922	0.476	ppbv	97
113] 4-Isopropyltoluene(sim)	12.731	119	33534	0.497	ppbv	97
114] 1,2-Dichlorobenzene(sim)	12.848	146	16940	0.451	ppbv	98
115] n-Butylbenzene(sim)	12.997	91	27758	0.505	ppbv	96
116] 1,2,4-Trichlorobenzene...	14.025	180	10242	0.425	ppbv	98
118] Hexachlorobutadiene(sim)	14.367	225	12576	0.357	ppbv	99

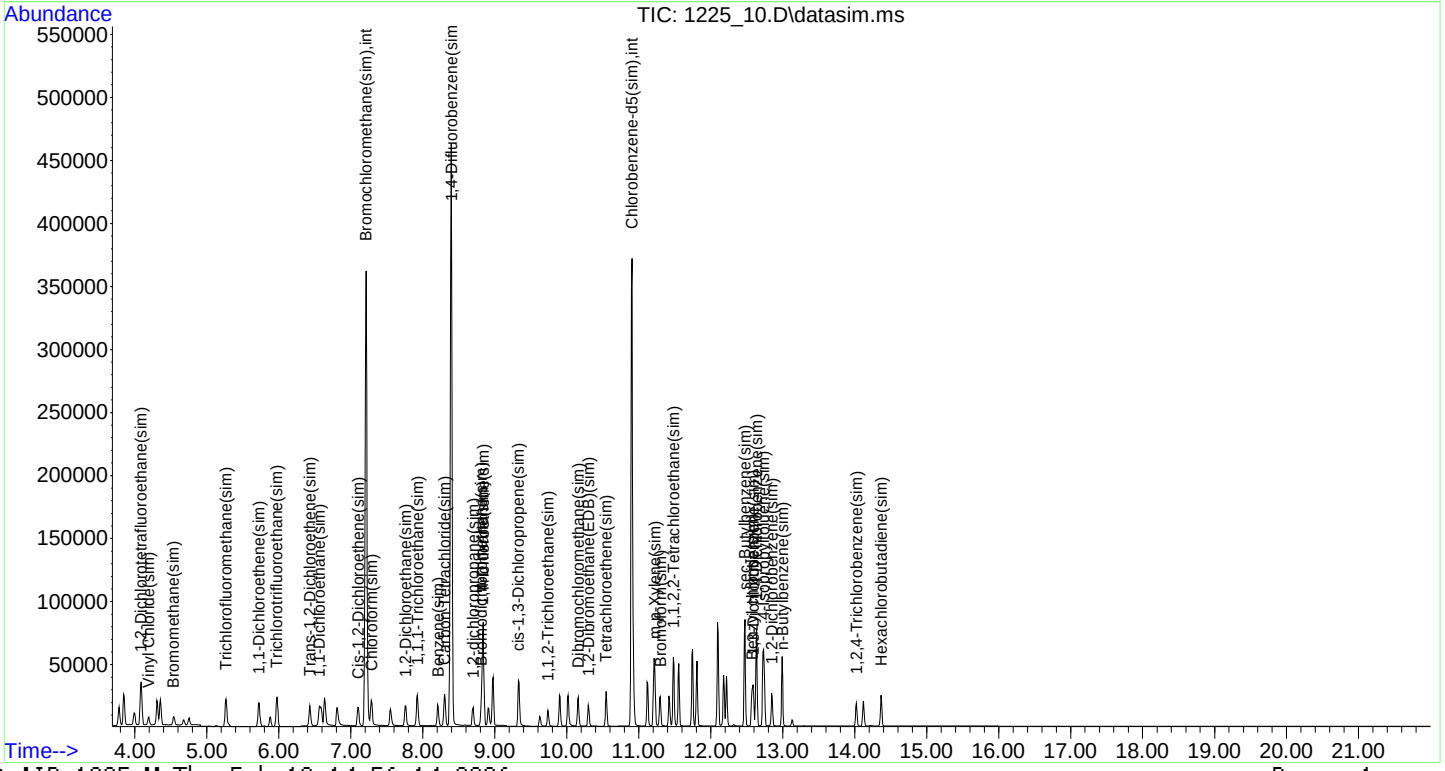
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_10.D
Acq On : 25 Dec 2025 9:52 pm
Operator :
Client ID : ICAL 0.5
Lab ID : 0.5 ppbv
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 26 10:57:18 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_11.D
Acq On : 25 Dec 2025 10:32 pm
Operator :
Client ID : ICAL 2.5
Lab ID : 2.5 ppbv
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 26 10:57:21 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.209	130	100339	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.395	114	358877	10.000	ng		0.00
53) Chlorobenzene-d5	10.902	82	180528	10.000	ng	#	0.00
80) Bromochloromethane(sim)	7.212	130	103501	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.395	114	358877	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.902	82	180528	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	259613	10.537	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.40%				
Target Compounds							Qvalue
2) Propylene	3.785	41	44166	2.358	ppbv		98
3) Dichlorodifluoromethane	3.850	85	96758	2.498	ppbv#		97
4) Chloromethane	3.996	50	52499	2.370	ppbv		100
5) 1,2-Dichlorotetrafluor...	4.085	85	81375	2.452	ppbv		94
6) Vinyl Chloride	4.191	62	36038	2.472	ppbv		98
7) 1,3-Butadiene	4.313	54	36987	2.424	ppbv		92
8) Bromomethane	4.540	94	25435	2.380	ppbv		94
9) Chloroethane	4.678	64	13580	2.389	ppbv#		80
11) Ethanol	4.759	45	18600	2.509	ppbv		95
12) Acetone	5.127	43	83266	2.427	ppbv		93
13) Trichlorofluoromethane	5.262	101	93923	2.464	ppbv		98
14) Isopropylalcohol	5.299	45	91349	2.492	ppbv		97
15) Acrylonitrile	5.465	53	28126	2.519	ppbv		96
16) 1,1-Dichloroethene	5.719	61	63715	2.508	ppbv		91
17) Methylene Chloride	5.797	49	69302	2.443	ppbv#		78
20) Carbon Disulfide	6.023	76	71076	2.544	ppbv		99
21) Trichlorotrifluoroethane	5.975	101	62377	2.497	ppbv		98
22) Trans-1,2-Dichloroethene	6.430	61	54707	2.451	ppbv		91
23) 1,1-Dichloroethane	6.560	63	64310	2.536	ppbv		94
24) Methyl tert-butyl ethe...	6.584	73	66918	2.444	ppbv#		83
25) Methyl Ethyl Ketone	6.803	43	111493	2.531	ppbv#		91
26) Cis-1,2-Dichloroethene	7.103	61	53315	2.443	ppbv#		90
27) Hexane	7.217	57	63430	2.505	ppbv#		85
28) Chloroform	7.290	83	64123	2.520	ppbv		93
29) Ethyl acetate	7.209	61	12491	2.532	ppbv#		84
30) Tetrahydrofuran	7.549	42	53935	2.501	ppbv#		86
31) 1,2-Dichloroethane	7.760	62	60370	2.525	ppbv		96
32) 1,1,1-Trichloroethane	7.923	97	70970	2.464	ppbv		96
33) Benzene	8.213	78	70997	2.413	ppbv#		90
34) Carbon Tetrachloride	8.299	117	84988	2.508	ppbv		99
35) Cyclohexane	8.386	84	25889	2.266	ppbv#		69
37) 1,2-dichloropropane	8.697	63	40973	2.511	ppbv#		81
38) Bromodichloromethane	8.818	83	69801	2.448	ppbv		93
39) Trichloroethene	8.836	130	40014	2.435	ppbv		94
40) 2,2,4-trimethylpentane	8.836	57	213826	2.497	ppbv		94
41) 1,4-Dioxane	8.827	88	16322	2.486	ppbv		85
43) Heptane	8.974	43	104162	2.521	ppbv#		88
44) cis-1,3-Dichloropropene	9.326	75	47324	2.399	ppbv		94
45) 4-Methyl-2-pentanone(M...	9.333	43	138361	2.525	ppbv#		92
46) trans-1,3-Dichloropropene	9.622	75	39360	2.367	ppbv		98
47) 1,1,2-Trichloroethane	9.742	97	34884	2.476	ppbv		91
48) Toluene	9.903	91	94512	2.371	ppbv#		98

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_11.D
Acq On : 25 Dec 2025 10:32 pm
Operator :
Client ID : ICAL 2.5
Lab ID : 2.5 ppbv
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 26 10:57:21 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.157	129	80868	2.454	ppbv	98
50) 2-Hexanone(MBK)	10.016	43	131849	2.551	ppbv#	94
51) 1,2-Dibromoethane(EDB)	10.298	107	60358	2.486	ppbv	97
52) Tetrachloroethene	10.544	166	53773	2.452	ppbv	98
54) 1,1,1,2-Tetrachloroethane	10.918	131	54144	2.557	ppbv	97
55) Chlorobenzene	10.925	112	81486	2.568	ppbv	87
56) Ethylbenzene	11.122	91	124021	2.533	ppbv	96
57) m,p-Xylene	11.213	91	208357	5.441	ppbv	98
58) Bromoform	11.297	173	81866	2.534	ppbv	99
59) Styrene	11.426	104	73810	2.651	ppbv#	89
60) 1,1,2,2-Tetrachloroethane	11.486	83	74766	2.628	ppbv	94
61) o-Xylene	11.486	91	106783	2.643	ppbv	96
65) Isopropylbenzene	11.805	105	156809	2.569	ppbv	96
66) 4-Ethyltoluene	12.184	105	153773	2.618	ppbv	96
67) 1,3,5-Trimethylbenzene	12.222	105	136238	2.685	ppbv	96
68) 1,2,4-Trimethylbenzene	12.473	105	138016	2.690	ppbv	96
70) Benzyl chloride	12.572	91	115190	2.672	ppbv	98
71) 1,3-Dichlorobenzene	12.594	146	97699	2.608	ppbv	97
72) 1,4-Dichlorobenzene	12.632	146	99923	2.724	ppbv	97
73) sec-Butylbenzene	12.640	105	199275	2.641	ppbv	98
74) 4-Isopropyltoluene	12.731	119	187494	2.630	ppbv	99
75) 1,2-Dichlorobenzene	12.853	146	93398	2.653	ppbv	97
76) n-Butylbenzene	12.997	91	160001	2.623	ppbv	97
77) 1,2,4-Trichlorobenzene	14.022	180	65810	2.771	ppbv	98
78) Naphthalene	14.121	128	146191	2.837	ppbv#	97
79) Hexachlorobutadiene	14.371	225	69045	2.722	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.085	85	81375	2.275	ppbv	94
82] Vinyl Chloride(sim)	4.194	62	37237	2.243	ppbv	99
83] Bromomethane(sim)	4.540	94	25435	2.175	ppbv	95
84] Trichlorofluoromethane...	5.265	101	97673	2.375	ppbv#	100
85] 1,2-Dichloroethane(sim)	7.760	62	60370	2.467	ppbv	96
86] 1,1,1-Trichloroethane(...	7.925	97	75978	2.392	ppbv#	98
87] Benzene(sim)	8.213	78	70997	2.206	ppbv#	90
88] Carbon Tetrachloride(sim)	8.302	117	86091	2.535	ppbv	99
89] 1,1-Dichloroethene(sim)	5.719	61	63715	2.304	ppbv	91
90] Trichlorotrifluoroetha...	5.978	101	64848	2.356	ppbv#	99
91] Trans-1,2-Dichloroethe...	6.430	61	54707	2.334	ppbv	91
92] 1,1-Dichloroethane(sim)	6.563	63	67400	2.349	ppbv	99
93] Cis-1,2-Dichloroethene...	7.103	61	53310	2.310	ppbv#	90
94] Chloroform(sim)	7.285	83	65732	2.186	ppbv#	90
96] 1,2-dichloropropane(sim)	8.700	63	43446	2.286	ppbv#	80
97] Bromodichloromethane(sim)	8.818	83	69801	2.361	ppbv	94
98] Trichloroethene(sim)	8.839	130	42297	2.143	ppbv	95
99] 1,4-Dioxane(sim)	8.827	88	16322	2.611	ppbv	85
100] cis-1,3-Dichloropropen...	9.329	75	51685	2.549	ppbv	98
101] 1,1,2-Trichloroethane(...	9.742	97	34884	2.355	ppbv	91
102] Dibromochloromethane(sim)	10.160	129	82091	2.454	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.298	107	60270	2.378	ppbv	98
104] Tetrachloroethene(sim)	10.547	166	54722	2.366	ppbv	97
106] Bromoform(sim)	11.300	173	81313	2.470	ppbv	100
107] m,p-Xylene(sim)	11.213	91	209183	5.255	ppbv	98
108] 1,1,2,2-Tetrachloroeth...	11.482	83	78146	2.404	ppbv#	95
109] Benzyl chloride(sim)	12.572	91	115287	2.967	ppbv	98
110] 1,3-Dichlorobenzene(sim)	12.590	146	109788	2.688	ppbv	98
111] 1,4-Dichlorobenzene(sim)	12.632	146	99923	2.730	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_11.D
Acq On : 25 Dec 2025 10:32 pm
Operator :
Client ID : ICAL 2.5
Lab ID : 2.5 ppbv
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 26 10:57:21 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

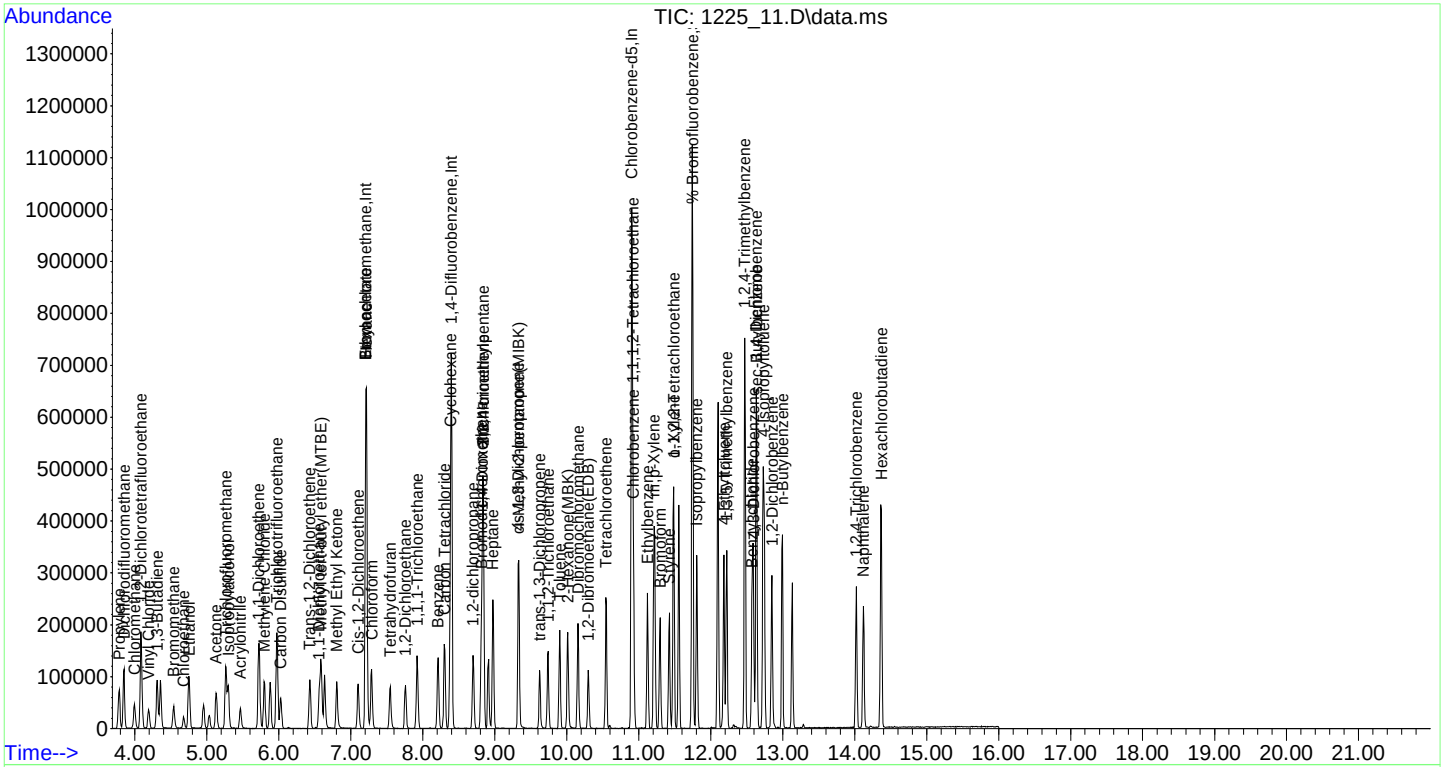
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	150622	2.939	ppbv	98
113] 4-Isopropyltoluene(sim)	12.731	119	187494	2.728	ppbv	99
114] 1,2-Dichlorobenzene(sim)	12.848	146	102193	2.671	ppbv	98
115] n-Butylbenzene(sim)	12.997	91	160001	2.854	ppbv	97
116] 1,2,4-Trichlorobenzene...	14.025	180	72846	2.966	ppbv	98
118] Hexachlorobutadiene(sim)	14.367	225	74675	2.031	ppbv	99

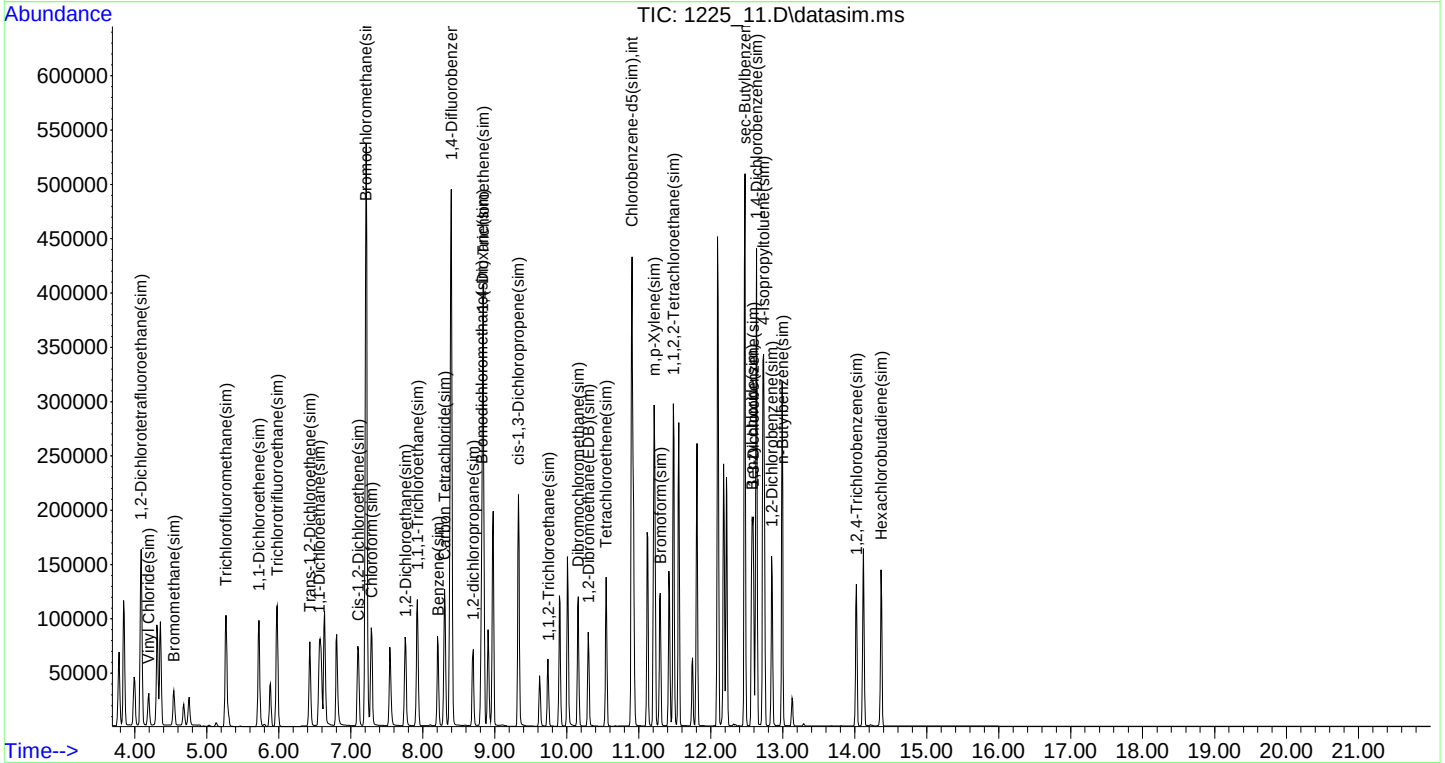
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_11.D
Acq On : 25 Dec 2025 10:32 pm
Operator :
Client ID : ICAL 2.5
Lab ID : 2.5 ppbv
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 26 10:57:21 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_12.D
Acq On : 25 Dec 2025 11:08 pm
Operator :
Client ID : ICAL 5
Lab ID : 5.0 ppbv
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 26 10:57:24 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.217	130	103125	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.403	114	367114	10.000	ng		0.00
53) Chlorobenzene-d5	10.903	82	185775	10.000	ng		0.00
80) Bromochloromethane(sim)	7.212	130	104371	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.403	114	367114	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.903	82	185775	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	261995	10.333	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.30%				
Target Compounds							Qvalue
2) Propylene	3.785	41	90889	4.722	ppbv		99
3) Dichlorodifluoromethane	3.850	85	198098	4.976	ppbv#		96
4) Chloromethane	4.004	50	107744	4.733	ppbv		99
5) 1,2-Dichlorotetrafluor...	4.094	85	164874	4.833	ppbv		94
6) Vinyl Chloride	4.199	62	71963	4.802	ppbv		98
7) 1,3-Butadiene	4.321	54	77519	4.943	ppbv		92
8) Bromomethane	4.548	94	53405	4.862	ppbv		99
9) Chloroethane	4.686	64	27943	4.783	ppbv		85
11) Ethanol	4.759	45	32323	4.242	ppbv#		94
12) Acetone	5.134	43	165177	4.685	ppbv		92
13) Trichlorofluoromethane	5.269	101	193284	4.933	ppbv		100
14) Isopropylalcohol	5.299	45	182022	4.831	ppbv#		97
15) Acrylonitrile	5.471	53	58064	5.059	ppbv		97
16) 1,1-Dichloroethene	5.725	61	130540	5.000	ppbv		92
17) Methylene Chloride	5.803	49	137677	4.723	ppbv#		79
20) Carbon Disulfide	6.035	76	141305	4.920	ppbv		99
21) Trichlorotrifluoroethane	5.981	101	126936	4.944	ppbv		97
22) Trans-1,2-Dichloroethene	6.430	61	112047	4.884	ppbv		92
23) 1,1-Dichloroethane	6.568	63	131734	5.055	ppbv		94
24) Methyl tert-butyl ethe...	6.593	73	144335	5.129	ppbv#		86
25) Methyl Ethyl Ketone	6.803	43	221373	4.890	ppbv#		92
26) Cis-1,2-Dichloroethene	7.104	61	110666	4.935	ppbv		90
27) Hexane	7.225	57	134183	5.155	ppbv		85
28) Chloroform	7.290	83	129097	4.937	ppbv		94
29) Ethyl acetate	7.209	61	25641	5.057	ppbv		87
30) Tetrahydrofuran	7.550	42	112896	5.093	ppbv#		88
31) 1,2-Dichloroethane	7.760	62	123986	5.045	ppbv		96
32) 1,1,1-Trichloroethane	7.923	97	147176	4.971	ppbv		96
33) Benzene	8.213	78	148797	4.922	ppbv#		91
34) Carbon Tetrachloride	8.308	117	175415	5.037	ppbv		99
35) Cyclohexane	8.386	84	54361	4.629	ppbv#		69
37) 1,2-dichloropropane	8.697	63	83641	5.012	ppbv#		82
38) Bromodichloromethane	8.818	83	140961	4.833	ppbv		95
39) Trichloroethene	8.836	130	83246	4.952	ppbv		95
40) 2,2,4-trimethylpentane	8.844	57	447755	5.112	ppbv		94
41) 1,4-Dioxane	8.818	88	34441	5.128	ppbv		87
43) Heptane	8.974	43	216531	5.122	ppbv#		88
44) cis-1,3-Dichloropropene	9.333	75	101209	5.016	ppbv		96
45) 4-Methyl-2-pentanone(M...	9.326	43	289883	5.172	ppbv#		92
46) trans-1,3-Dichloropropene	9.622	75	84367	4.960	ppbv		97
47) 1,1,2-Trichloroethane	9.742	97	69287	4.807	ppbv		93
48) Toluene	9.904	91	200103	4.908	ppbv		98

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_12.D
Acq On : 25 Dec 2025 11:08 pm
Operator :
Client ID : ICAL 5
Lab ID : 5.0 ppbv
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 26 10:57:24 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.157	129	170525	5.059	ppbv	98
50) 2-Hexanone(MBK)	10.016	43	274582	5.193	ppbv	96
51) 1,2-Dibromoethane(EDB)	10.298	107	124934	5.030	ppbv	98
52) Tetrachloroethene	10.551	166	109263	4.871	ppbv	97
54) 1,1,1,2-Tetrachloroethane	10.918	131	112402	5.159	ppbv	99
55) Chlorobenzene	10.933	112	166079	5.086	ppbv	85
56) Ethylbenzene	11.122	91	265532	5.269	ppbv	97
57) m,p-Xylene	11.213	91	437641	11.105	ppbv	97
58) Bromoform	11.297	173	172768	5.197	ppbv	100
59) Styrene	11.426	104	154454	5.391	ppbv#	89
60) 1,1,2,2-Tetrachloroethane	11.486	83	153484	5.243	ppbv	93
61) o-Xylene	11.486	91	230571	5.546	ppbv	98
65) Isopropylbenzene	11.805	105	327933	5.221	ppbv	97
66) 4-Ethyltoluene	12.184	105	328628	5.436	ppbv	97
67) 1,3,5-Trimethylbenzene	12.222	105	287693	5.511	ppbv	96
68) 1,2,4-Trimethylbenzene	12.473	105	286804	5.432	ppbv	96
70) Benzyl chloride	12.572	91	235312	5.305	ppbv	98
71) 1,3-Dichlorobenzene	12.594	146	204086	5.294	ppbv	98
72) 1,4-Dichlorobenzene	12.632	146	198596	5.262	ppbv	99
73) sec-Butylbenzene	12.640	105	424036	5.462	ppbv	98
74) 4-Isopropyltoluene	12.731	119	394662	5.379	ppbv	99
75) 1,2-Dichlorobenzene	12.853	146	188116	5.192	ppbv	97
76) n-Butylbenzene	12.997	91	334784	5.334	ppbv	98
77) 1,2,4-Trichlorobenzene	14.022	180	127868	5.231	ppbv	99
78) Naphthalene	14.121	128	282885	5.335	ppbv#	98
79) Hexachlorobutadiene	14.364	225	131837	5.050	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.094	85	164860	4.570	ppbv	94
82] Vinyl Chloride(sim)	4.202	62	75747	4.526	ppbv	99
83] Bromomethane(sim)	4.548	94	53405	4.528	ppbv	99
84] Trichlorofluoromethane...	5.272	101	197630	4.765	ppbv#	100
85] 1,2-Dichloroethane(sim)	7.760	62	123986	5.024	ppbv	96
86] 1,1,1-Trichloroethane(...	7.926	97	154757	4.832	ppbv#	98
87] Benzene(sim)	8.213	78	148797	4.585	ppbv#	91
88] Carbon Tetrachloride(sim)	8.302	117	176352	5.149	ppbv	100
89] 1,1-Dichloroethene(sim)	5.725	61	130540	4.681	ppbv	92
90] Trichlorotrifluoroetha...	5.978	101	131024	4.721	ppbv#	99
91] Trans-1,2-Dichloroethe...	6.430	61	112047	4.740	ppbv	92
92] 1,1-Dichloroethane(sim)	6.563	63	136814	4.729	ppbv	99
93] Cis-1,2-Dichloroethene...	7.104	61	110666	4.755	ppbv	90
94] Chloroform(sim)	7.293	83	133524	4.403	ppbv#	90
96] 1,2-dichloropropane(sim)	8.700	63	88139	4.535	ppbv#	80
97] Bromodichloromethane(sim)	8.818	83	140961	4.661	ppbv	96
98] Trichloroethene(sim)	8.839	130	86111	4.266	ppbv	96
99] 1,4-Dioxane(sim)	8.818	88	34441	5.385	ppbv	87
100] cis-1,3-Dichloropropen...	9.329	75	108872	5.249	ppbv	98
101] 1,1,2-Trichloroethane(...	9.742	97	69287	4.572	ppbv	93
102] Dibromochloromethane(sim)	10.160	129	169601	4.957	ppbv	100
103] 1,2-Dibromoethane(EDB)...	10.298	107	124870	4.817	ppbv	99
104] Tetrachloroethene(sim)	10.547	166	111779	4.725	ppbv	97
106] Bromoform(sim)	11.300	173	168845	4.985	ppbv	99
107] m,p-Xylene(sim)	11.213	91	439173	10.720	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.482	83	159508	4.768	ppbv#	95
109] Benzyl chloride(sim)	12.572	91	235312	5.885	ppbv	98
110] 1,3-Dichlorobenzene(sim)	12.590	146	222477	5.293	ppbv	99
111] 1,4-Dichlorobenzene(sim)	12.632	146	198596	5.272	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_12.D
Acq On : 25 Dec 2025 11:08 pm
Operator :
Client ID : ICAL 5
Lab ID : 5.0 ppbv
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 26 10:57:24 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

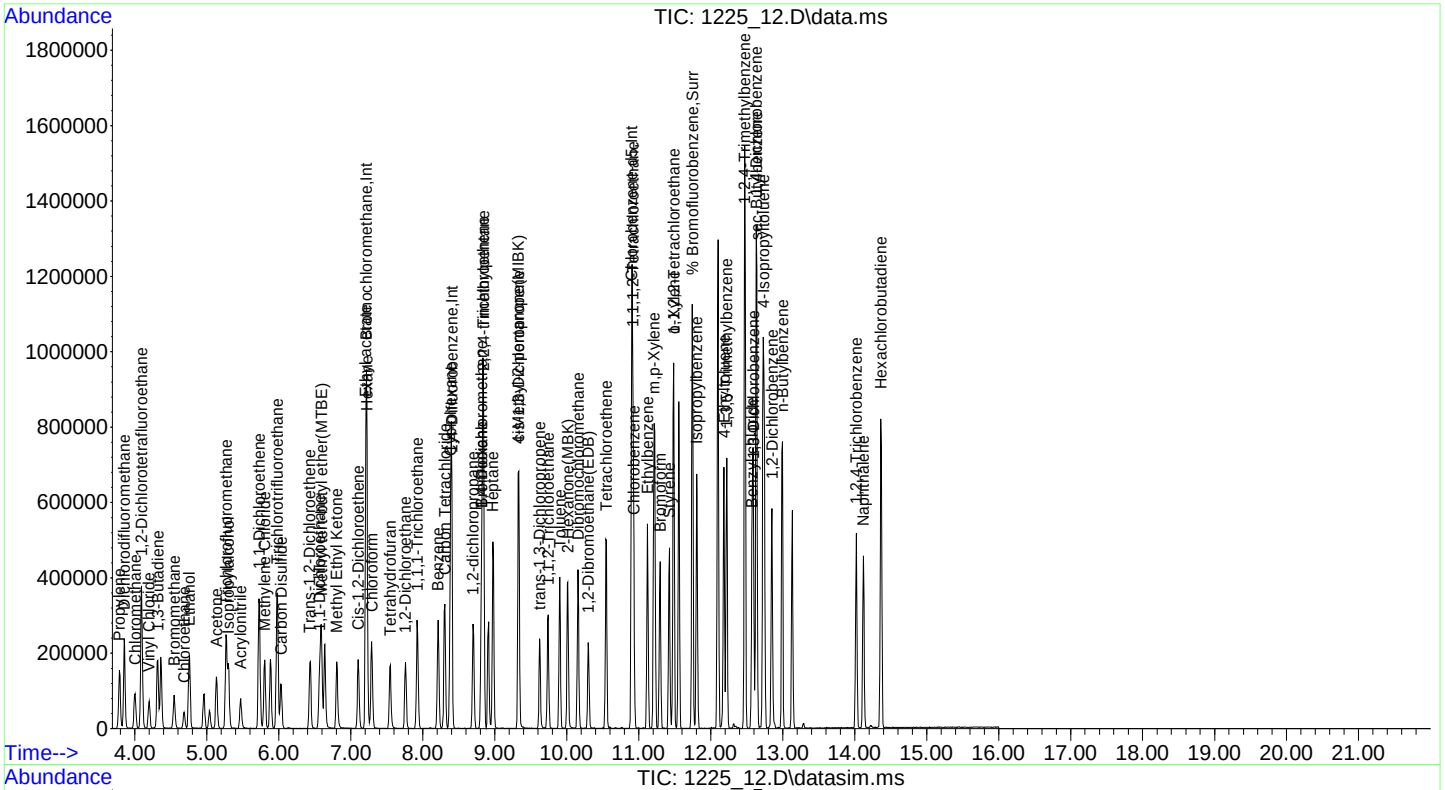
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	315389	5.980	ppbv	98
113] 4-Isopropyltoluene(sim)	12.731	119	394662	5.580	ppbv	99
114] 1,2-Dichlorobenzene(sim)	12.848	146	205379	5.217	ppbv	98
115] n-Butylbenzene(sim)	12.997	91	334784	5.803	ppbv	98
116] 1,2,4-Trichlorobenzene...	14.025	180	139320	5.512	ppbv	98
118] Hexachlorobutadiene(sim)	14.367	225	139203	3.597	ppbv	99

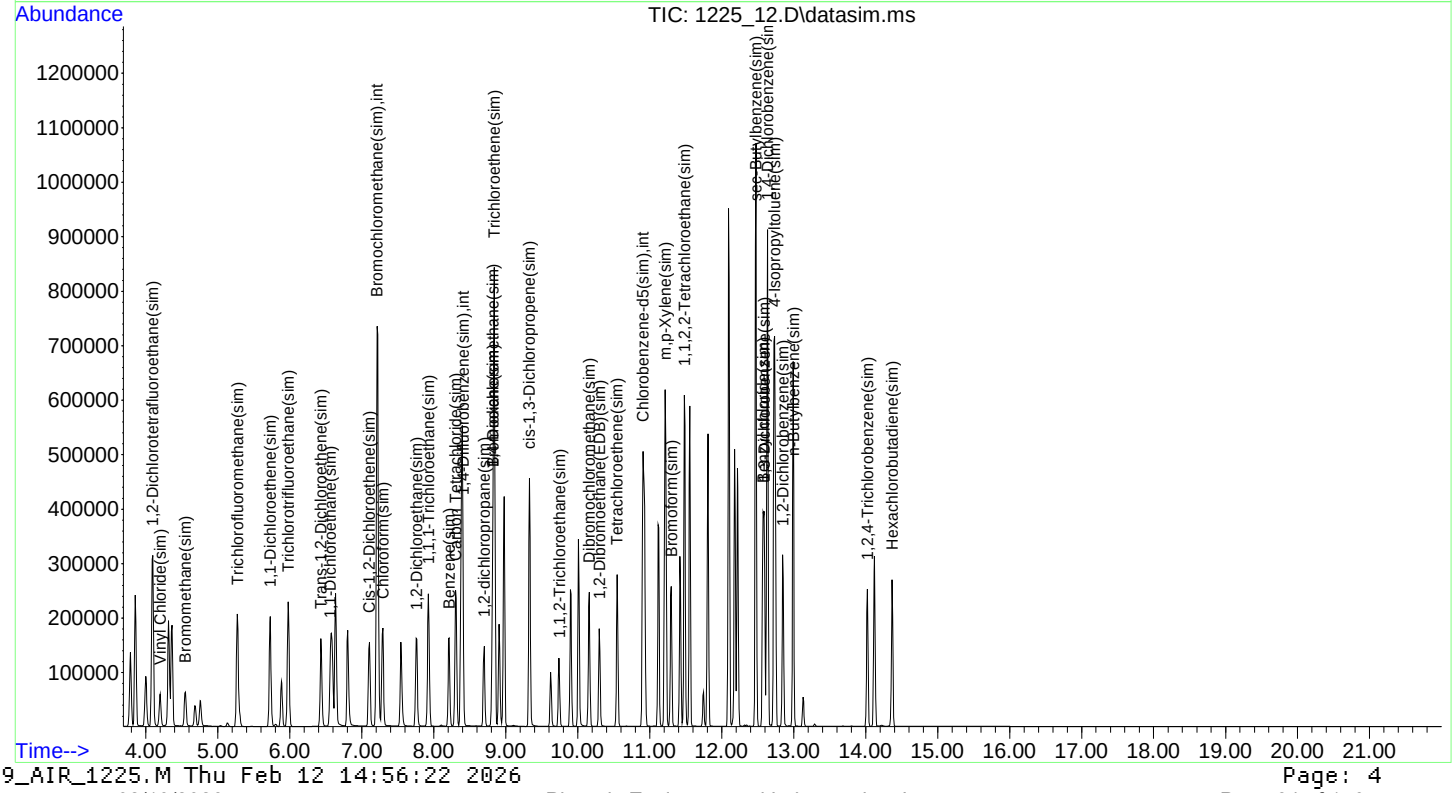
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_12.D
Acq On : 25 Dec 2025 11:08 pm
Operator :
Client ID : ICAL 5
Lab ID : 5.0 ppbv
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 26 10:57:24 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_13.D
Acq On : 25 Dec 2025 11:48 pm
Operator :
Client ID : ICAL 25
Lab ID : 25 ppbv
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 26 10:57:27 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.209	130	106867	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.395	114	376946	10.000	ng		0.00
53) Chlorobenzene-d5	10.903	82	226187	10.000	ng	#	0.00
80) Bromochloromethane(sim)	7.212	130	106029	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.395	114	376946	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.903	82	226185	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	277985	9.005	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.00%				
Target Compounds							Qvalue
2) Propylene	3.785	41	467507	23.438	ppbv		99
3) Dichlorodifluoromethane	3.850	85	1016920	24.650	ppbv		97
4) Chloromethane	3.996	50	538675	22.833	ppbv		99
5) 1,2-Dichlorotetrafluor...	4.085	85	842849	23.842	ppbv		94
6) Vinyl Chloride	4.191	62	371038	23.892	ppbv		97
7) 1,3-Butadiene	4.313	54	397765	24.473	ppbv		94
8) Bromomethane	4.540	94	264758	23.261	ppbv		98
9) Chloroethane	4.678	64	142362	23.515	ppbv		86
11) Ethanol	4.759	45	162082	20.524	ppbv		95
12) Acetone	5.128	43	828836	22.684	ppbv		92
13) Trichlorofluoromethane	5.269	101	958944	23.619	ppbv		99
14) Isopropylalcohol	5.299	45	959305	24.570	ppbv		97
15) Acrylonitrile	5.465	53	296508	24.932	ppbv		97
16) 1,1-Dichloroethene	5.719	61	670659	24.790	ppbv		92
17) Methylene Chloride	5.803	49	683928	22.639	ppbv#		80
20) Carbon Disulfide	6.029	76	710663	23.880	ppbv		100
21) Trichlorotrifluoroethane	5.975	101	639853	24.048	ppbv		98
22) Trans-1,2-Dichloroethene	6.430	61	595331	25.040	ppbv		92
23) 1,1-Dichloroethane	6.568	63	661180	24.481	ppbv		95
24) Methyl tert-butyl ethe...	6.584	73	775324	26.586	ppbv#		89
25) Methyl Ethyl Ketone	6.803	43	1190175	25.367	ppbv#		92
26) Cis-1,2-Dichloroethene	7.103	61	583389	25.103	ppbv		89
27) Hexane	7.225	57	706108	26.179	ppbv		89
28) Chloroform	7.290	83	648805	23.944	ppbv		93
29) Ethyl acetate	7.209	61	138338	26.326	ppbv#		83
30) Tetrahydrofuran	7.541	42	604914	26.333	ppbv#		88
31) 1,2-Dichloroethane	7.760	62	635523	24.956	ppbv		97
32) 1,1,1-Trichloroethane	7.923	97	750803	24.471	ppbv		97
33) Benzene	8.213	78	769499	24.560	ppbv#		91
34) Carbon Tetrachloride	8.299	117	898900	24.909	ppbv		99
35) Cyclohexane	8.386	84	289927	23.821	ppbv#		75
37) 1,2-dichloropropane	8.697	63	428638	25.014	ppbv#		84
38) Bromodichloromethane	8.818	83	746168	24.916	ppbv		95
39) Trichloroethene	8.836	130	435044	25.203	ppbv		95
40) 2,2,4-trimethylpentane	8.844	57	2346822	26.094	ppbv		95
41) 1,4-Dioxane	8.818	88	183860	26.659	ppbv		84
43) Heptane	8.974	43	1147670	26.440	ppbv#		87
44) cis-1,3-Dichloropropene	9.333	75	547288	26.416	ppbv		95
45) 4-Methyl-2-pentanone(M...	9.326	43	1502858	26.112	ppbv#		95
46) trans-1,3-Dichloropropene	9.622	75	464299	26.583	ppbv		98
47) 1,1,2-Trichloroethane	9.742	97	358183	24.201	ppbv		94
48) Toluene	9.904	91	1063547	25.407	ppbv		97

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_13.D
Acq On : 25 Dec 2025 11:48 pm
Operator :
Client ID : ICAL 25
Lab ID : 25 ppbv
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 26 10:57:27 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.157	129	907007	26.205	ppbv	99
50)	2-Hexanone(MBK)	10.009	43	1473081	27.134	ppbv	98
51)	1,2-Dibromoethane(EDB)	10.298	107	654331	25.657	ppbv	97
52)	Tetrachloroethene	10.551	166	576456	25.029	ppbv	96
54)	1,1,1,2-Tetrachloroethane	10.918	131	594212	22.401	ppbv	98
55)	Chlorobenzene	10.933	112	879534	22.121	ppbv	84
56)	Ethylbenzene	11.122	91	1441800	23.499	ppbv	97
57)	m,p-Xylene	11.221	91	2395416	49.925	ppbv	98
58)	Bromoform	11.297	173	943943	23.320	ppbv	98
59)	Styrene	11.426	104	873775	25.047	ppbv#	91
60)	1,1,2,2-Tetrachloroethane	11.486	83	834803	23.420	ppbv	92
61)	o-Xylene	11.486	91	1276271	25.213	ppbv	97
65)	Isopropylbenzene	11.805	105	1763527	23.062	ppbv	97
66)	4-Ethyltoluene	12.184	105	1822888	24.768	ppbv	97
67)	1,3,5-Trimethylbenzene	12.222	105	1591586	25.040	ppbv	96
68)	1,2,4-Trimethylbenzene	12.473	105	1689858	26.289	ppbv	96
70)	Benzyl chloride	12.572	91	1354547	25.081	ppbv	98
71)	1,3-Dichlorobenzene	12.594	146	1130160	24.079	ppbv	97
72)	1,4-Dichlorobenzene	12.632	146	1133314	24.661	ppbv	100
73)	sec-Butylbenzene	12.640	105	2418332	25.583	ppbv	97
74)	4-Isopropyltoluene	12.731	119	2286385	25.593	ppbv	99
75)	1,2-Dichlorobenzene	12.853	146	1077887	24.437	ppbv	98
76)	n-Butylbenzene	12.997	91	1987984	26.015	ppbv	97
77)	1,2,4-Trichlorobenzene	14.022	180	792392	26.625	ppbv	97
78)	Naphthalene	14.121	128	1791547	27.751	ppbv#	98
79)	Hexachlorobutadiene	14.372	225	776389	24.426	ppbv	99
81]	1,2-Dichlorotetrafluor...	4.085	85	842598	22.992	ppbv	94
82]	Vinyl Chloride(sim)	4.194	62	387819	22.808	ppbv	99
83]	Bromomethane(sim)	4.540	94	264758	22.097	ppbv	98
84]	Trichlorofluoromethane...	5.265	101	984147	23.359	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.760	62	635523	25.349	ppbv	97
86]	1,1,1-Trichloroethane(...	7.925	97	783511	24.082	ppbv#	97
87]	Benzene(sim)	8.213	78	769590	23.345	ppbv#	91
88]	Carbon Tetrachloride(sim)	8.302	117	899249	25.844	ppbv	100
89]	1,1-Dichloroethene(sim)	5.719	61	670659	23.673	ppbv	92
90]	Trichlorotrifluoroetha...	5.978	101	662507	23.499	ppbv#	99
91]	Trans-1,2-Dichloroethe...	6.430	61	595331	24.792	ppbv	92
92]	1,1-Dichloroethane(sim)	6.563	63	694180	23.617	ppbv	99
93]	Cis-1,2-Dichloroethene...	7.103	61	583673	24.687	ppbv	89
94]	Chloroform(sim)	7.293	83	670237	21.754	ppbv#	90
96]	1,2-dichloropropane(sim)	8.700	63	453337	22.715	ppbv#	83
97]	Bromodichloromethane(sim)	8.818	83	745976	24.025	ppbv	96
98]	Trichloroethene(sim)	8.839	130	447617	21.595	ppbv	96
99]	1,4-Dioxane(sim)	8.818	88	183860	27.997	ppbv	84
100]	cis-1,3-Dichloropropen...	9.329	75	586617	27.542	ppbv	98
101]	1,1,2-Trichloroethane(...	9.742	97	357807	22.996	ppbv	94
102]	Dibromochloromethane(sim)	10.160	129	895771	25.499	ppbv	100
103]	1,2-Dibromoethane(EDB)...	10.298	107	654241	24.579	ppbv	98
104]	Tetrachloroethene(sim)	10.547	166	583318	24.012	ppbv	96
106]	Bromoform(sim)	11.300	173	925475	22.442	ppbv	100
107]	m,p-Xylene(sim)	11.221	91	2398578	48.090	ppbv	97
108]	1,1,2,2-Tetrachloroeth...	11.482	83	856761	21.034	ppbv#	94
109]	Benzyl chloride(sim)	12.572	91	1354547	27.823	ppbv	98
110]	1,3-Dichlorobenzene(sim)	12.590	146	1219884	23.839	ppbv	99
111]	1,4-Dichlorobenzene(sim)	12.632	146	1132924	24.703	ppbv	100

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_13.D
Acq On : 25 Dec 2025 11:48 pm
Operator :
Client ID : ICAL 25
Lab ID : 25 ppbv
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 26 10:57:27 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

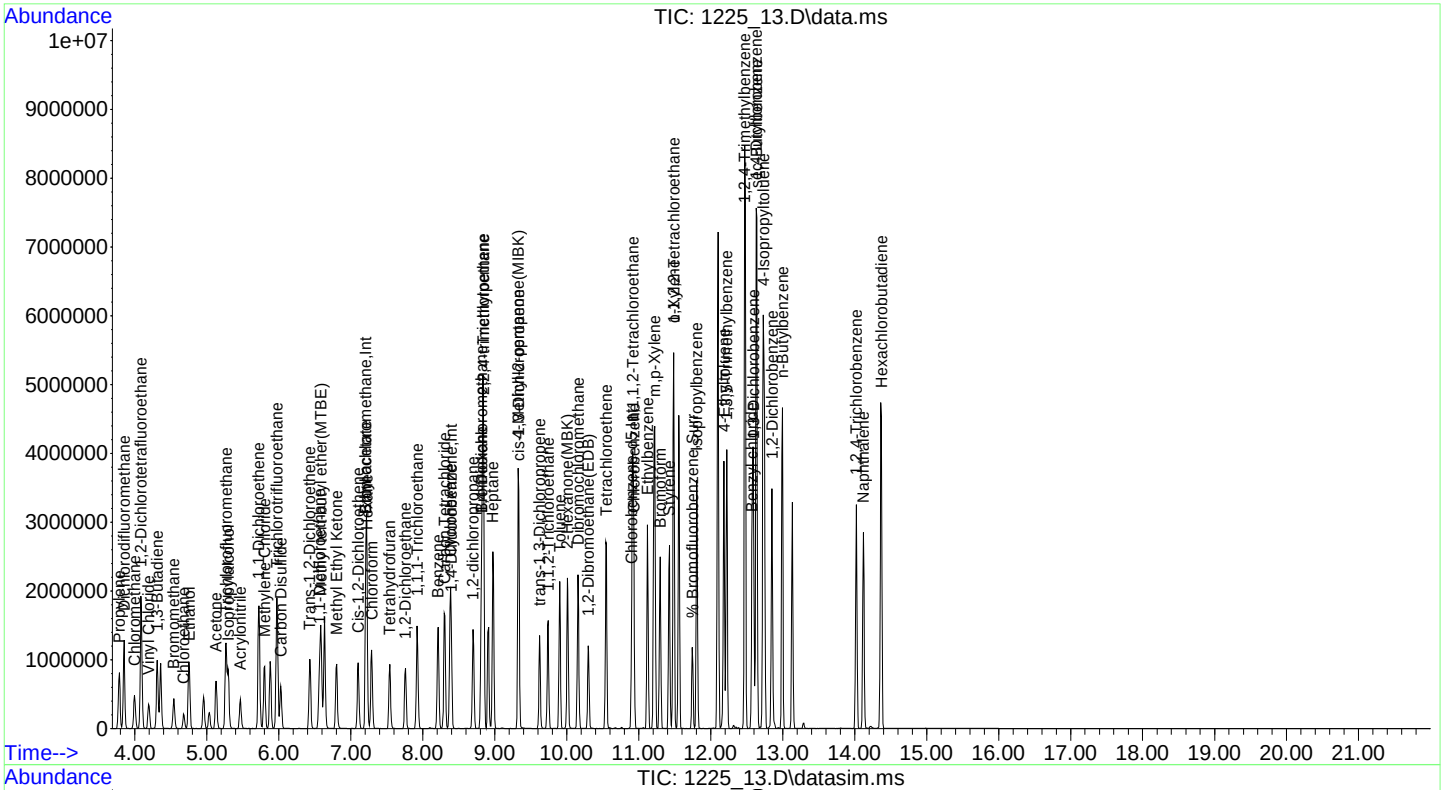
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	1814836	28.261	ppbv	99
113] 4-Isopropyltoluene(sim)	12.731	119	2286385	26.549	ppbv	99
114] 1,2-Dichlorobenzene(sim)	12.856	146	1144381	23.876	ppbv	98
115] n-Butylbenzene(sim)	12.997	91	1987984	28.304	ppbv	97
116] 1,2,4-Trichlorobenzene...	14.025	180	861887	28.009	ppbv	98
118] Hexachlorobutadiene(sim)	14.367	225	807872	14.790	ppbv	99

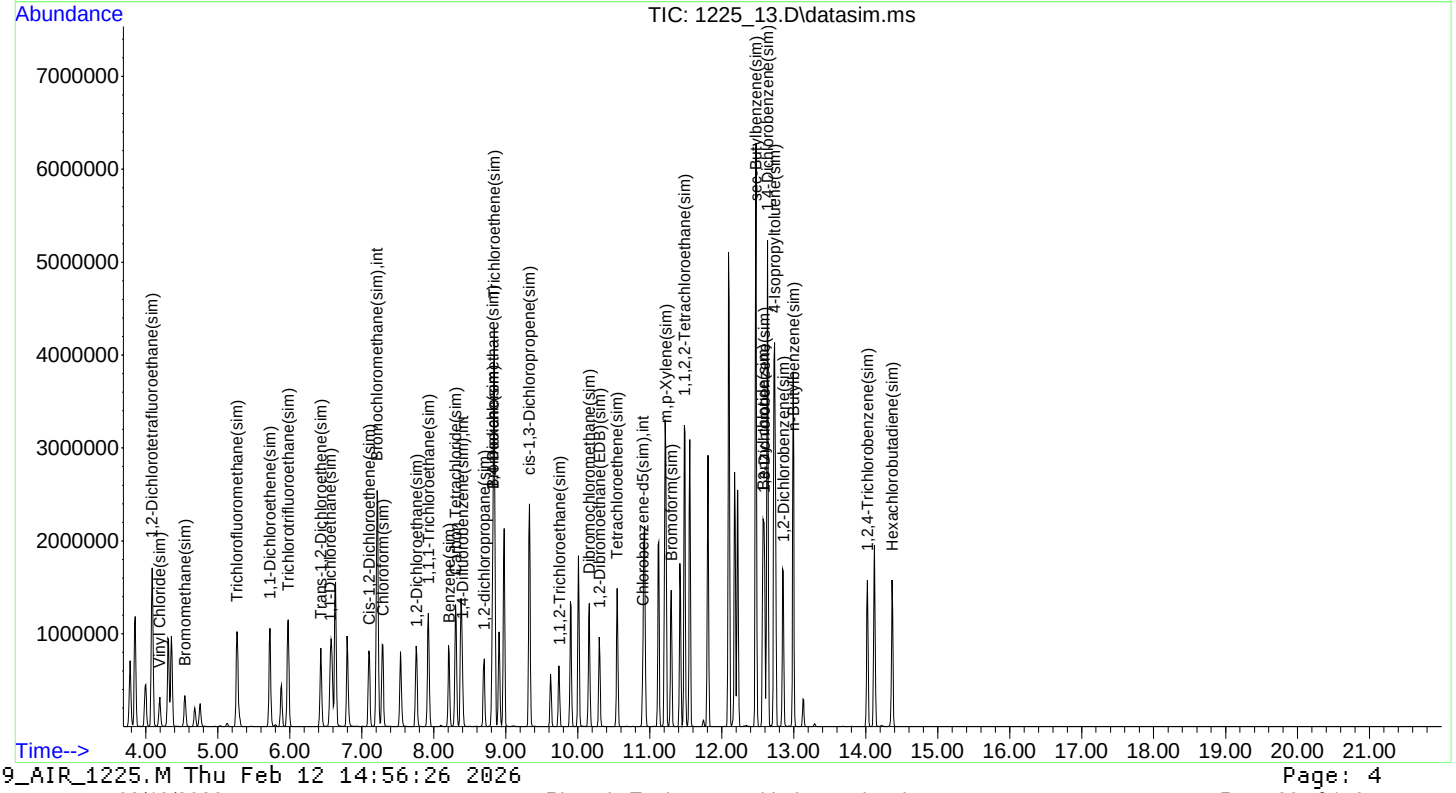
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_13.D
Acq On : 25 Dec 2025 11:48 pm
Operator :
Client ID : ICAL 25
Lab ID : 25 ppbv
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 26 10:57:27 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_14.D
Acq On : 26 Dec 2025 12:30 am
Operator :
Client ID : ICAL 40
Lab ID : 40 ppbv
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 26 10:57:30 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.217	130	113916	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.403	114	408889	10.000	ng		0.00
53) Chlorobenzene-d5	10.910	82	270911	10.000	ng		0.00
80) Bromochloromethane(sim)	7.220	130	115500	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.403	114	408891	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.910	82	270911	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	300443	8.126	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 81.30%				
Target Compounds							Qvalue
2) Propylene	3.793	41	809921	38.092	ppbv		98
3) Dichlorodifluoromethane	3.858	85	1747878	39.746	ppbv		96
4) Chloromethane	4.004	50	962727	38.283	ppbv		100
5) 1,2-Dichlorotetrafluor...	4.093	85	1527261	40.529	ppbv		93
6) Vinyl Chloride	4.199	62	674384	40.738	ppbv		98
7) 1,3-Butadiene	4.321	54	712903	41.148	ppbv		95
8) Bromomethane	4.548	94	472783	38.967	ppbv		97
9) Chloroethane	4.686	64	251100	38.910	ppbv		86
11) Ethanol	4.759	45	284903	33.844	ppbv#		94
12) Acetone	5.134	43	1394000	35.791	ppbv		93
13) Trichlorofluoromethane	5.269	101	1608999	37.178	ppbv		99
14) Isopropylalcohol	5.305	45	1649819	39.640	ppbv		96
15) Acrylonitrile	5.471	53	508317	40.097	ppbv		97
16) 1,1-Dichloroethene	5.725	61	1152236	39.956	ppbv		92
17) Methylene Chloride	5.803	49	1154607	35.855	ppbv#		81
20) Carbon Disulfide	6.035	76	1243893	39.211	ppbv		100
21) Trichlorotrifluoroethane	5.981	101	1111580	39.193	ppbv		98
22) Trans-1,2-Dichloroethene	6.438	61	1025726	40.473	ppbv		92
23) 1,1-Dichloroethane	6.568	63	1139287	39.574	ppbv		95
24) Methyl tert-butyl ethe...	6.592	73	1353988	43.556	ppbv		91
25) Methyl Ethyl Ketone	6.803	43	2012427	40.238	ppbv#		93
26) Cis-1,2-Dichloroethene	7.103	61	1007306	40.662	ppbv		90
27) Hexane	7.225	57	1223845	42.566	ppbv#		91
28) Chloroform	7.290	83	1108728	38.386	ppbv		94
29) Ethyl acetate	7.209	61	244586	43.665	ppbv#		83
30) Tetrahydrofuran	7.541	42	1035275	42.278	ppbv#		88
31) 1,2-Dichloroethane	7.760	62	1061143	39.092	ppbv		97
32) 1,1,1-Trichloroethane	7.922	97	1272623	38.911	ppbv		97
33) Benzene	8.213	78	1332707	39.904	ppbv#		91
34) Carbon Tetrachloride	8.308	117	1532273	39.832	ppbv		99
35) Cyclohexane	8.386	84	499886	38.531	ppbv#		76
37) 1,2-dichloropropane	8.697	63	742426	39.942	ppbv#		87
38) Bromodichloromethane	8.818	83	1287067	39.620	ppbv		95
39) Trichloroethene	8.836	130	747819	39.939	ppbv		95
40) 2,2,4-trimethylpentane	8.844	57	3986657	40.865	ppbv		95
41) 1,4-Dioxane	8.818	88	324406	43.363	ppbv		85
43) Heptane	8.983	43	1922360	40.828	ppbv#		89
44) cis-1,3-Dichloropropene	9.333	75	965192	42.947	ppbv		95
45) 4-Methyl-2-pentanone(M...	9.326	43	2535333	40.610	ppbv#		96
46) trans-1,3-Dichloropropene	9.622	75	814629	42.998	ppbv		97
47) 1,1,2-Trichloroethane	9.742	97	623539	38.839	ppbv		93
48) Toluene	9.903	91	1841407	40.553	ppbv		97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_14.D
Acq On : 26 Dec 2025 12:30 am
Operator :
Client ID : ICAL 40
Lab ID : 40 ppbv
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 26 10:57:30 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
49) Dibromochloromethane	10.157	129	1563524	41.644 ppbv	100
50) 2-Hexanone(MBK)	10.016	43	2483230	42.167 ppbv	100
51) 1,2-Dibromoethane(EDB)	10.305	107	1140467	41.225 ppbv	98
52) Tetrachloroethene	10.551	166	1004791	40.218 ppbv	96
54) 1,1,1,2-Tetrachloroethane	10.918	131	1019434	32.087 ppbv	96
55) Chlorobenzene	10.933	112	1534573	32.225 ppbv	84
56) Ethylbenzene	11.122	91	2490262	33.887 ppbv	96
57) m,p-Xylene	11.221	91	4112292	71.558 ppbv	97
58) Bromoform	11.297	173	1655275	34.142 ppbv	98
59) Styrene	11.426	104	1521734	36.420 ppbv#	91
60) 1,1,2,2-Tetrachloroethane	11.486	83	1458872	34.171 ppbv	91
61) o-Xylene	11.486	91	2217895	36.582 ppbv	97
65) Isopropylbenzene	11.812	105	2997194	32.724 ppbv	96
66) 4-Ethyltoluene	12.184	105	3269252	37.087 ppbv	98
67) 1,3,5-Trimethylbenzene	12.222	105	2569729	33.754 ppbv	91
68) 1,2,4-Trimethylbenzene	12.480	105	2925713	38.002 ppbv	95
70) Benzyl chloride	12.579	91	2351582	36.354 ppbv	97
71) 1,3-Dichlorobenzene	12.594	146	2015239	35.848 ppbv	97
72) 1,4-Dichlorobenzene	12.632	146	1867744	33.933 ppbv	99
73) sec-Butylbenzene	12.640	105	4089328	36.118 ppbv	96
74) 4-Isopropyltoluene	12.731	119	3875996	36.223 ppbv	99
75) 1,2-Dichlorobenzene	12.853	146	1818661	34.424 ppbv	98
76) n-Butylbenzene	12.997	91	3332726	36.413 ppbv	95
77) 1,2,4-Trichlorobenzene	14.022	180	1391100	39.025 ppbv	96
78) Naphthalene	14.121	128	3088366	39.941 ppbv#	98
79) Hexachlorobutadiene	14.371	225	1361781	35.771 ppbv	99
81] 1,2-Dichlorotetrafluor...	4.093	85	1526658	38.241 ppbv	93
82] Vinyl Chloride(sim)	4.202	62	705118	38.068 ppbv	100
83] Bromomethane(sim)	4.548	94	472783	36.223 ppbv	96
84] Trichlorofluoromethane...	5.271	101	1650091	35.953 ppbv#	99
85] 1,2-Dichloroethane(sim)	7.760	62	1061143	38.855 ppbv	97
86] 1,1,1-Trichloroethane(...	7.925	97	1328327	37.480 ppbv#	98
87] Benzene(sim)	8.213	78	1332894	37.117 ppbv#	91
88] Carbon Tetrachloride(sim)	8.311	117	1517703	40.042 ppbv	99
89] 1,1-Dichloroethene(sim)	5.725	61	1152236	37.336 ppbv	93
90] Trichlorotrifluoroetha...	5.978	101	1139034	37.088 ppbv#	99
91] Trans-1,2-Dichloroethe...	6.438	61	1025726	39.213 ppbv	92
92] 1,1-Dichloroethane(sim)	6.571	63	1189689	37.157 ppbv	98
93] Cis-1,2-Dichloroethene...	7.103	61	1007306	39.112 ppbv	90
94] Chloroform(sim)	7.293	83	1142028	34.028 ppbv#	90
96] 1,2-dichloropropane(sim)	8.700	63	781954	36.119 ppbv#	86
97] Bromodichloromethane(sim)	8.818	83	1287067	38.213 ppbv	96
98] Trichloroethene(sim)	8.839	130	768451	34.178 ppbv	96
99] 1,4-Dioxane(sim)	8.818	88	324406	45.539 ppbv	85
100] cis-1,3-Dichloropropen...	9.329	75	1018743	44.094 ppbv	98
101] 1,1,2-Trichloroethane(...	9.742	97	623539	36.944 ppbv	93
102] Dibromochloromethane(sim)	10.160	129	1537958	40.360 ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.305	107	1140467	39.499 ppbv	98
104] Tetrachloroethene(sim)	10.547	166	1006946	38.213 ppbv	96
106] Bromoform(sim)	11.300	173	1608148	32.559 ppbv	99
107] m,p-Xylene(sim)	11.221	91	4115420	68.890 ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.482	83	1505355	30.856 ppbv#	94
109] Benzyl chloride(sim)	12.579	91	2351582	40.328 ppbv	97
110] 1,3-Dichlorobenzene(sim)	12.597	146	2057833	33.576 ppbv	99
111] 1,4-Dichlorobenzene(sim)	12.632	146	1867820	34.004 ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_14.D
Acq On : 26 Dec 2025 12:30 am
Operator :
Client ID : ICAL 40
Lab ID : 40 ppbv
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 26 10:57:30 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration

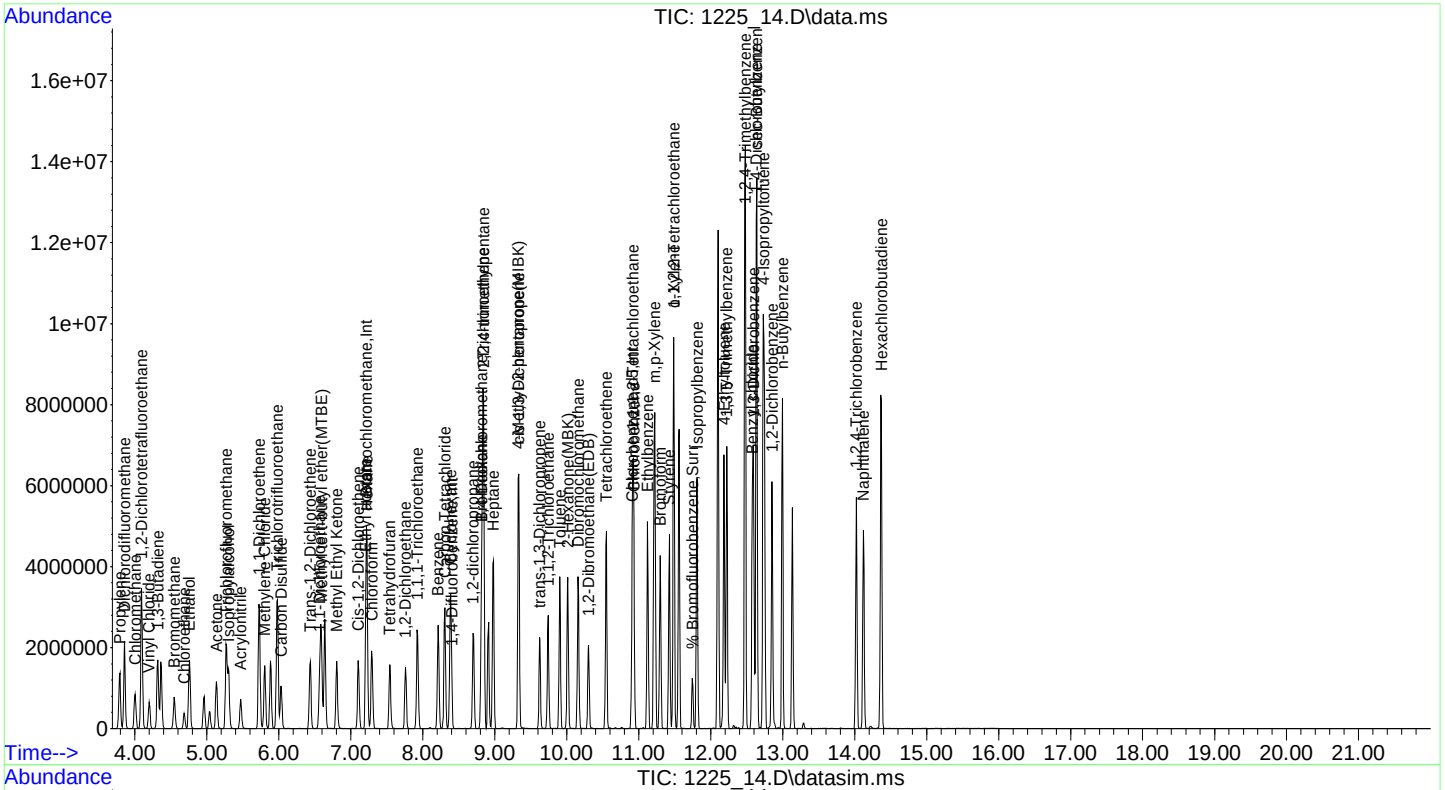
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	3091657	40.196	ppbv	99
113] 4-Isopropyltoluene(sim)	12.731	119	3875535	37.573	ppbv	99
114] 1,2-Dichlorobenzene(sim)	12.855	146	1939280	33.780	ppbv	99
115] n-Butylbenzene(sim)	12.997	91	3333881	39.630	ppbv	95
116] 1,2,4-Trichlorobenzene...	14.025	180	1501009	40.726	ppbv	97
118] Hexachlorobutadiene(sim)	14.367	225	1410455	20.213	ppbv	99

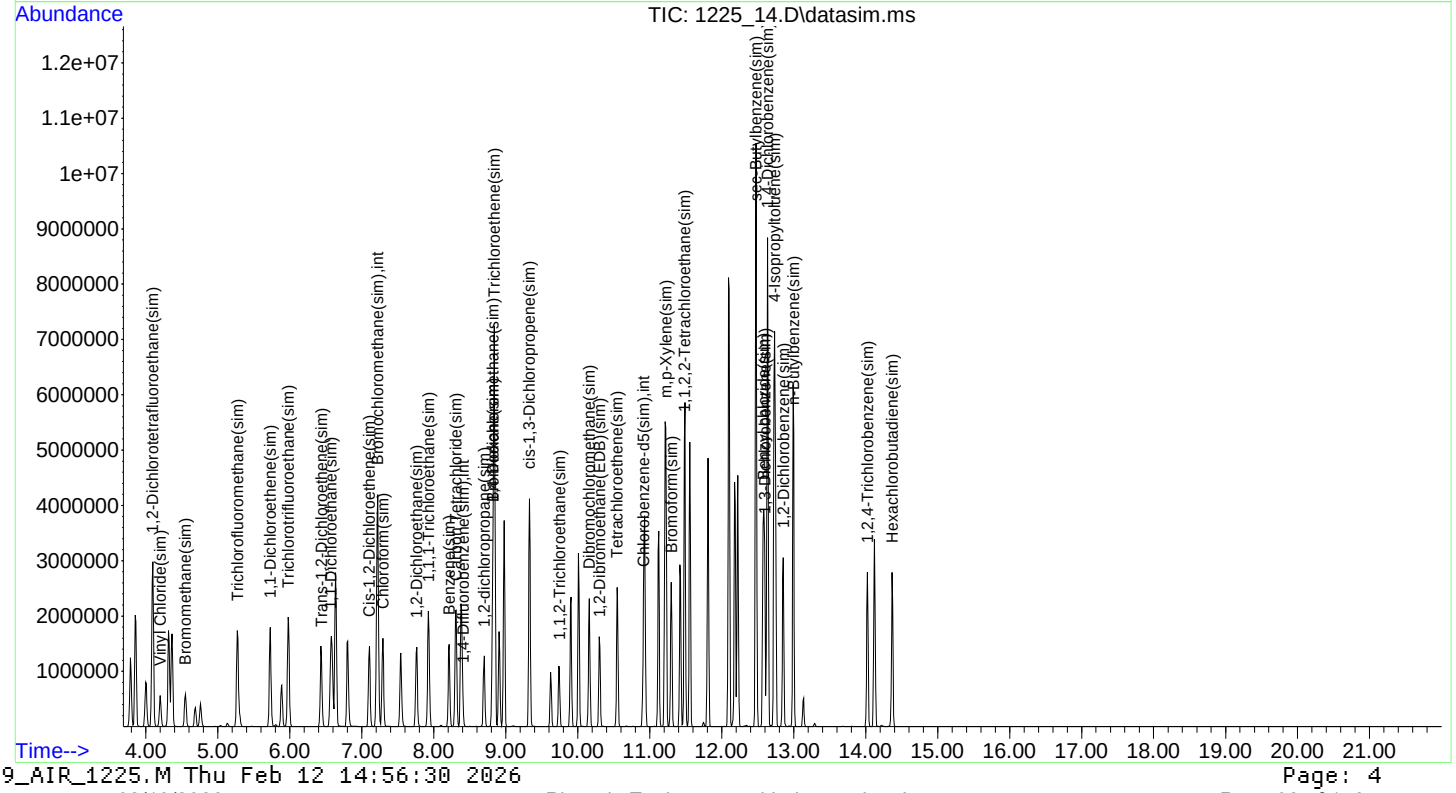
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_14.D
Acq On : 26 Dec 2025 12:30 am
Operator :
Client ID : ICAL 40
Lab ID : 40 ppbv
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 26 10:57:30 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Nov 17 10:36:36 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_15.D
Acq On : 26 Dec 2025 1:07 am
Operator :
Client ID : ICAL 1
Lab ID : 1.0 ppbv
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 26 11:07:44 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.209	130	112029	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.395	114	397142	10.000	ng		0.00
53) Chlorobenzene-d5	10.903	82	193990	10.000	ng		0.00
80) Bromochloromethane(sim)	7.212	130	114450	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.395	114	397142	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.903	82	193990	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	270340	10.374	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.70%				
Target Compounds							Qvalue
2) Propylene	3.785	41	21112	1.010	ppbv		99
3) Dichlorodifluoromethane	3.850	85	44026	1.018	ppbv		97
4) Chloromethane	3.988	50	25617	1.036	ppbv		100
5) 1,2-Dichlorotetrafluor...	4.085	85	39171	1.057	ppbv		95
6) Vinyl Chloride	4.191	62	17436	1.071	ppbv		96
7) 1,3-Butadiene	4.305	54	18234	1.070	ppbv#		88
8) Bromomethane	4.540	94	12864	1.078	ppbv		95
9) Chloroethane	4.678	64	6411	1.010	ppbv		84
11) Ethanol	4.759	45	9618	1.162	ppbv#		93
12) Acetone	5.128	43	38878	1.015	ppbv		94
13) Trichlorofluoromethane	5.263	101	40632	0.955	ppbv		98
14) Isopropylalcohol	5.299	45	42995	1.050	ppbv		98
15) Acrylonitrile	5.465	53	13182	1.057	ppbv		97
16) 1,1-Dichloroethene	5.719	61	27784	0.980	ppbv		97
17) Methylene Chloride	5.797	49	30886	0.975	ppbv#		83
20) Carbon Disulfide	6.023	76	31347	1.005	ppbv		98
21) Trichlorotrifluoroethane	5.969	101	27199	0.975	ppbv		98
22) Trans-1,2-Dichloroethene	6.430	61	25604	1.027	ppbv		92
23) 1,1-Dichloroethane	6.560	63	28983	1.024	ppbv		96
24) Methyl tert-butyl ethe...	6.593	73	29037	0.950	ppbv#		80
25) Methyl Ethyl Ketone	6.803	43	48157	0.979	ppbv#		92
26) Cis-1,2-Dichloroethene	7.104	61	23278	0.955	ppbv		90
27) Hexane	7.217	57	26874	0.950	ppbv#		82
28) Chloroform	7.282	83	28011	0.986	ppbv		93
29) Ethyl acetate	7.209	61	5661	1.028	ppbv#		83
30) Tetrahydrofuran	7.550	42	23245	0.965	ppbv#		88
31) 1,2-Dichloroethane	7.760	62	26686	1.000	ppbv		96
32) 1,1,1-Trichloroethane	7.923	97	31783	0.988	ppbv		99
33) Benzene	8.213	78	33749	1.028	ppbv#		90
34) Carbon Tetrachloride	8.299	117	37250	0.985	ppbv		99
35) Cyclohexane	8.386	84	11805	0.925	ppbv#		63
37) 1,2-dichloropropane	8.697	63	18094	1.002	ppbv#		84
38) Bromodichloromethane	8.810	83	30603	0.970	ppbv		97
39) Trichloroethene	8.836	130	18432	1.014	ppbv		92
40) 2,2,4-trimethylpentane	8.836	57	90864	0.959	ppbv		96
41) 1,4-Dioxane	8.827	88	7991	1.100	ppbv		84
43) Heptane	8.974	43	44611	0.975	ppbv#		91
44) cis-1,3-Dichloropropene	9.333	75	20881	0.957	ppbv		95
45) 4-Methyl-2-pentanone(M...	9.333	43	60458	0.997	ppbv#		92
46) trans-1,3-Dichloropropene	9.622	75	18168	0.987	ppbv		97
47) 1,1,2-Trichloroethane	9.742	97	15716	1.008	ppbv		88
48) Toluene	9.904	91	40725	0.923	ppbv#		98

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_15.D
Acq On : 26 Dec 2025 1:07 am
Operator :
Client ID : ICAL 1
Lab ID : 1.0 ppbv
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 26 11:07:44 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.157	129	35436	0.972	ppbv	99
50)	2-Hexanone(MBK)	10.016	43	56887	0.995	ppbv	95
51)	1,2-Dibromoethane(EDB)	10.298	107	26857	1.000	ppbv	99
52)	Tetrachloroethene	10.544	166	23177	0.955	ppbv	94
54)	1,1,1,2-Tetrachloroethane	10.910	131	23932	1.052	ppbv	97
55)	Chlorobenzene	10.925	112	36267	1.064	ppbv	91
56)	Ethylbenzene	11.122	91	54783	1.041	ppbv	96
57)	m,p-Xylene	11.213	91	90149	2.191	ppbv	99
58)	Bromoform	11.297	173	37435	1.078	ppbv	99
59)	Styrene	11.426	104	31781	1.062	ppbv#	90
60)	1,1,2,2-Tetrachloroethane	11.486	83	34452	1.127	ppbv	98
61)	o-Xylene	11.486	91	45987	1.059	ppbv	98
65)	Isopropylbenzene	11.805	105	67541	1.030	ppbv	97
66)	4-Ethyltoluene	12.184	105	65111	1.032	ppbv	97
67)	1,3,5-Trimethylbenzene	12.222	105	56548	1.037	ppbv	95
68)	1,2,4-Trimethylbenzene	12.473	105	55884	1.014	ppbv	96
70)	Benzyl chloride	12.572	91	57400	1.239	ppbv	96
71)	1,3-Dichlorobenzene	12.587	146	45490	1.130	ppbv	96
72)	1,4-Dichlorobenzene	12.632	146	45123	1.145	ppbv	99
73)	sec-Butylbenzene	12.640	105	82148	1.013	ppbv	97
74)	4-Isopropyltoluene	12.724	119	76425	0.997	ppbv	97
75)	1,2-Dichlorobenzene	12.853	146	43321	1.145	ppbv	99
76)	n-Butylbenzene	12.989	91	68173	1.040	ppbv	96
77)	1,2,4-Trichlorobenzene	14.022	180	29826	1.168	ppbv	96
78)	Naphthalene	14.121	128	66387	1.199	ppbv#	98
79)	Hexachlorobutadiene	14.364	225	30475	1.118	ppbv	98
81]	1,2-Dichlorotetrafluor...	4.085	85	39171	0.990	ppbv	95
82]	Vinyl Chloride(sim)	4.194	62	18535	1.010	ppbv	99
83]	Bromomethane(sim)	4.540	94	12864	0.995	ppbv	95
84]	Trichlorofluoromethane...	5.265	101	42371	0.932	ppbv#	100
85]	1,2-Dichloroethane(sim)	7.760	62	26686	0.986	ppbv	96
86]	1,1,1-Trichloroethane(...	7.926	97	33231	0.946	ppbv#	98
87]	Benzene(sim)	8.213	78	33749	0.948	ppbv#	90
88]	Carbon Tetrachloride(sim)	8.302	117	36797	0.980	ppbv	100
89]	1,1-Dichloroethene(sim)	5.719	61	27784	0.909	ppbv	97
90]	Trichlorotrifluoroetha...	5.972	101	29135	0.957	ppbv#	99
91]	Trans-1,2-Dichloroethe...	6.430	61	25604	0.988	ppbv	92
92]	1,1-Dichloroethane(sim)	6.563	63	30380	0.958	ppbv	99
93]	Cis-1,2-Dichloroethene...	7.104	61	23278	0.912	ppbv	90
94]	Chloroform(sim)	7.285	83	29382	0.884	ppbv#	91
96]	1,2-dichloropropane(sim)	8.700	63	19781	0.941	ppbv#	85
97]	Bromodichloromethane(sim)	8.810	83	30603	0.935	ppbv	98
98]	Trichloroethene(sim)	8.839	130	18714	0.857	ppbv	96
99]	1,4-Dioxane(sim)	8.827	88	7991	1.155	ppbv	84
100]	cis-1,3-Dichloropropen...	9.329	75	22878	1.020	ppbv	98
101]	1,1,2-Trichloroethane(...	9.742	97	15716	0.959	ppbv	88
102]	Dibromochloromethane(sim)	10.160	129	35921	0.971	ppbv	99
103]	1,2-Dibromoethane(EDB)...	10.298	107	26857	0.958	ppbv	99
104]	Tetrachloroethene(sim)	10.547	166	24217	0.946	ppbv	97
106]	Bromoform(sim)	11.300	173	37317	1.055	ppbv	99
107]	m,p-Xylene(sim)	11.213	91	90149	2.107	ppbv	99
108]	1,1,2,2-Tetrachloroeth...	11.482	83	36253	1.038	ppbv	95
109]	Benzyl chloride(sim)	12.572	91	57400	1.375	ppbv	96
110]	1,3-Dichlorobenzene(sim)	12.590	146	50177	1.143	ppbv	98
111]	1,4-Dichlorobenzene(sim)	12.632	146	45191	1.149	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_15.D
Acq On : 26 Dec 2025 1:07 am
Operator :
Client ID : ICAL 1
Lab ID : 1.0 ppbv
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 26 11:07:44 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

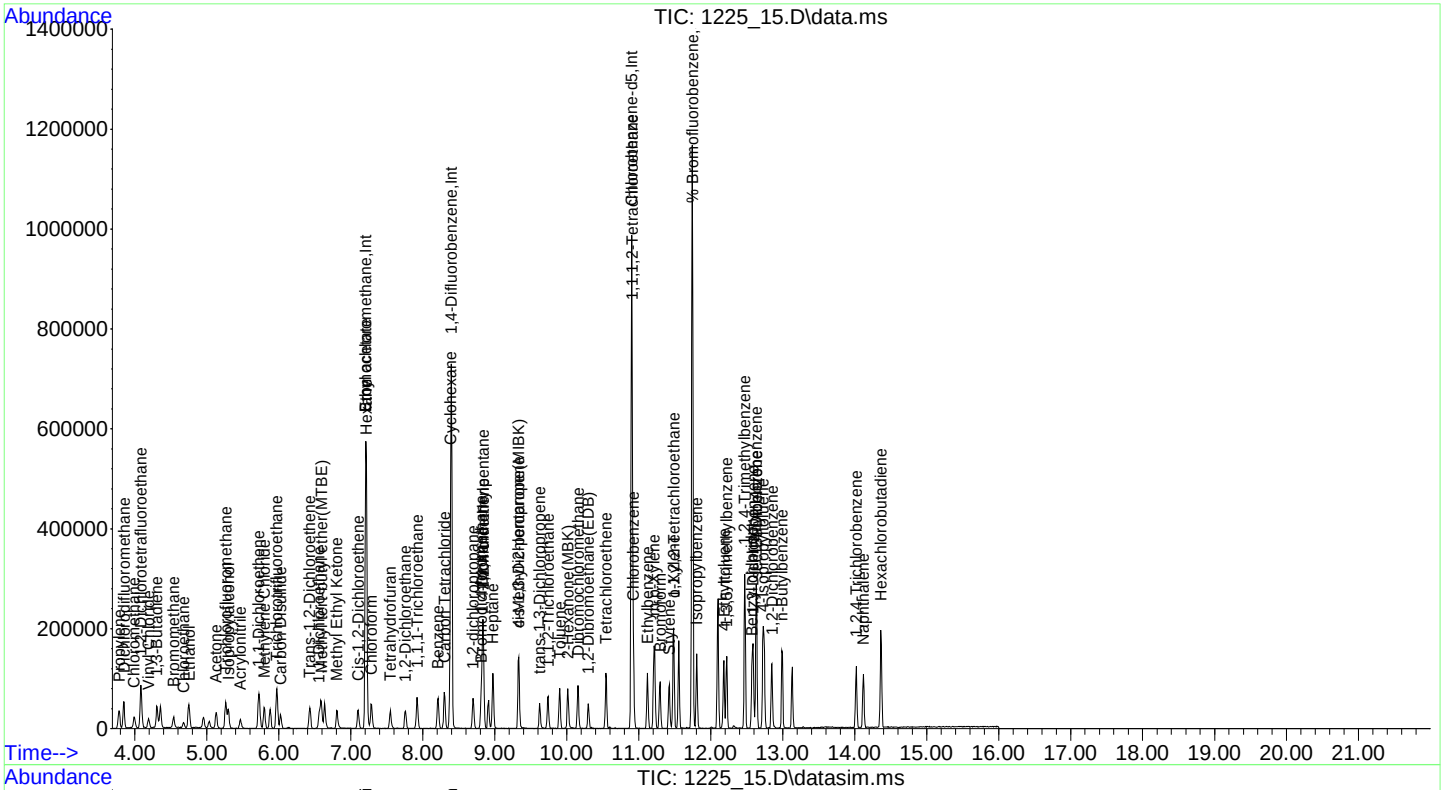
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	61609	1.119	ppbv	98
113] 4-Isopropyltoluene(sim)	12.724	119	76425	1.035	ppbv	97
114] 1,2-Dichlorobenzene(sim)	12.848	146	46761	1.138	ppbv	98
115] n-Butylbenzene(sim)	12.989	91	68173	1.132	ppbv	97
116] 1,2,4-Trichlorobenzene...	14.025	180	33400	1.266	ppbv	98
118] Hexachlorobutadiene(sim)	14.367	225	32679	0.937	ppbv	99

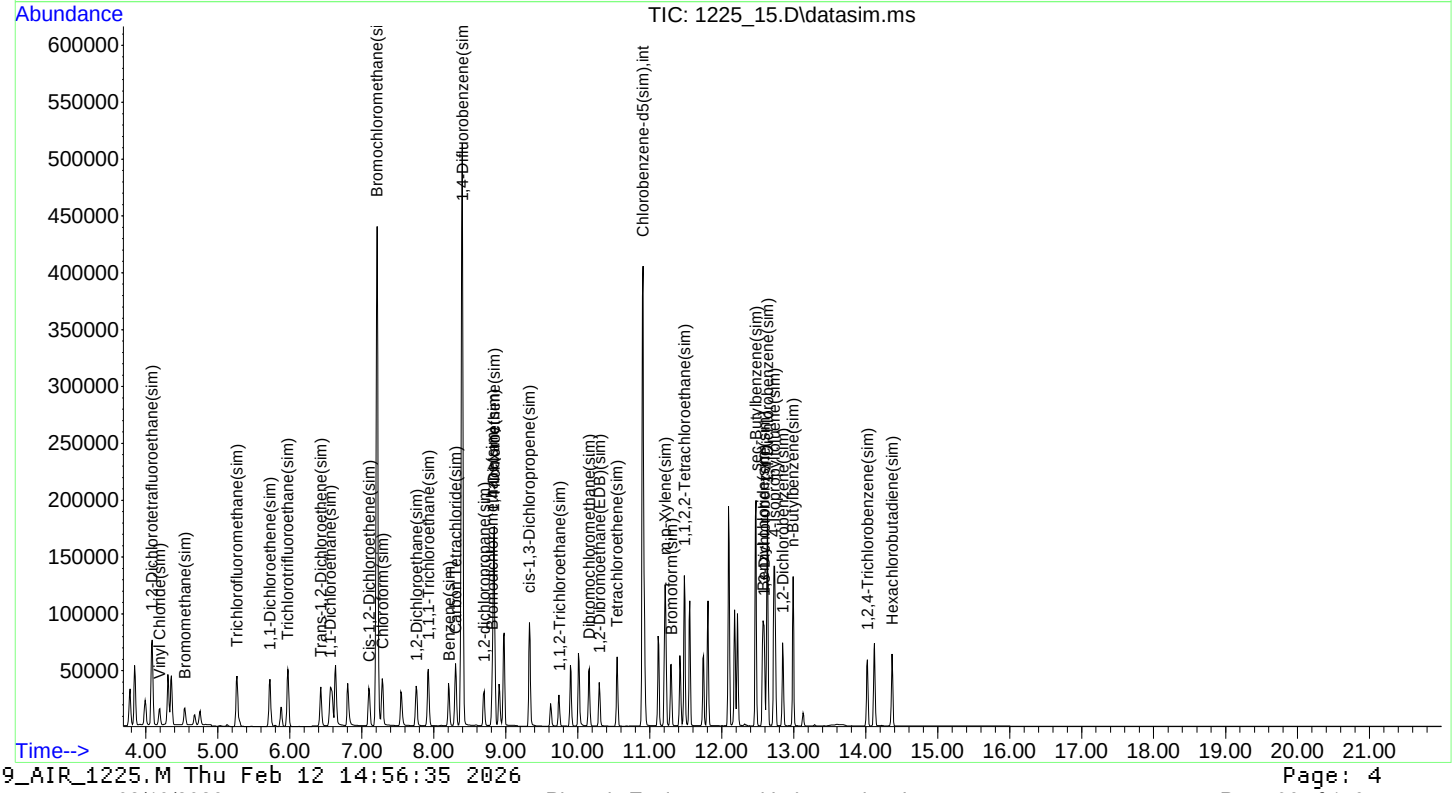
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_15.D
Acq On : 26 Dec 2025 1:07 am
Operator :
Client ID : ICAL 1
Lab ID : 1.0 ppbv
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 26 11:07:44 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_16.D
Acq On : 26 Dec 2025 1:44 am
Operator :
Client ID : ICAL 10
Lab ID : 10.0 ppbv
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 26 11:08:07 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.217	130	107269	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.403	114	386253	10.000	ng		0.00
53) Chlorobenzene-d5	10.902	82	204431	10.000	ng		0.00
80) Bromochloromethane(sim)	7.220	130	109264	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.403	114	386253	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.902	82	204431	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	278302	10.134	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.30%				
Target Compounds							Qvalue
2) Propylene	3.793	41	188583	9.419	ppbv		99
3) Dichlorodifluoromethane	3.858	85	410622	9.916	ppbv		97
4) Chloromethane	4.004	50	223059	9.420	ppbv		99
5) 1,2-Dichlorotetrafluor...	4.093	85	343651	9.684	ppbv		94
6) Vinyl Chloride	4.199	62	152732	9.798	ppbv		99
7) 1,3-Butadiene	4.320	54	162650	9.970	ppbv		94
8) Bromomethane	4.548	94	109010	9.541	ppbv		96
9) Chloroethane	4.686	64	60850	10.014	ppbv		86
11) Ethanol	4.759	45	69674	8.790	ppbv#		93
12) Acetone	5.133	43	341906	9.323	ppbv		93
13) Trichlorofluoromethane	5.275	101	390005	9.570	ppbv		100
14) Isopropylalcohol	5.305	45	392011	10.003	ppbv		98
15) Acrylonitrile	5.471	53	120672	10.109	ppbv		98
16) 1,1-Dichloroethene	5.725	61	272738	10.044	ppbv		92
17) Methylene Chloride	5.802	49	278923	9.198	ppbv#		82
20) Carbon Disulfide	6.035	76	296121	9.913	ppbv		100
21) Trichlorotrifluoroethane	5.975	101	262804	9.840	ppbv		98
22) Trans-1,2-Dichloroethene	6.438	61	237576	9.955	ppbv		93
23) 1,1-Dichloroethane	6.568	63	270147	9.965	ppbv		96
24) Methyl tert-butyl ethe...	6.592	73	307633	10.509	ppbv#		87
25) Methyl Ethyl Ketone	6.803	43	479252	10.176	ppbv#		92
26) Cis-1,2-Dichloroethene	7.103	61	233167	9.995	ppbv		89
27) Hexane	7.225	57	287591	10.622	ppbv#		88
28) Chloroform	7.290	83	263651	9.694	ppbv		94
29) Ethyl acetate	7.209	61	55659	10.552	ppbv#		85
30) Tetrahydrofuran	7.541	42	241964	10.493	ppbv#		88
31) 1,2-Dichloroethane	7.760	62	256689	10.042	ppbv		97
32) 1,1,1-Trichloroethane	7.922	97	302596	9.825	ppbv		96
33) Benzene	8.213	78	312539	9.938	ppbv#		90
34) Carbon Tetrachloride	8.308	117	359280	9.918	ppbv		99
35) Cyclohexane	8.386	84	115562	9.459	ppbv#		72
37) 1,2-dichloropropane	8.697	63	178585	10.171	ppbv#		87
38) Bromodichloromethane	8.818	83	298147	9.716	ppbv		94
39) Trichloroethene	8.836	130	177863	10.056	ppbv		92
40) 2,2,4-trimethylpentane	8.844	57	953723	10.349	ppbv		94
41) 1,4-Dioxane	8.818	88	72602	10.273	ppbv		84
43) Heptane	8.974	43	461763	10.382	ppbv#		88
44) cis-1,3-Dichloropropene	9.333	75	218963	10.314	ppbv		96
45) 4-Methyl-2-pentanone(M...	9.326	43	604149	10.244	ppbv#		94
46) trans-1,3-Dichloropropene	9.622	75	184094	10.286	ppbv		98
47) 1,1,2-Trichloroethane	9.741	97	149337	9.847	ppbv		92
48) Toluene	9.903	91	428518	9.990	ppbv		98

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_16.D
Acq On : 26 Dec 2025 1:44 am
Operator :
Client ID : ICAL 10
Lab ID : 10.0 ppbv
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 26 11:08:07 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.157	129	357213	10.072	ppbv	99
50)	2-Hexanone(MBK)	10.009	43	586364	10.540	ppbv	97
51)	1,2-Dibromoethane(EDB)	10.297	107	263500	10.083	ppbv	98
52)	Tetrachloroethene	10.551	166	229284	9.715	ppbv	95
54)	1,1,1,2-Tetrachloroethane	10.918	131	233132	9.724	ppbv	97
55)	Chlorobenzene	10.933	112	352011	9.796	ppbv	83
56)	Ethylbenzene	11.122	91	577517	10.414	ppbv	97
57)	m,p-Xylene	11.213	91	950720	21.923	ppbv	97
58)	Bromoform	11.297	173	361520	9.882	ppbv	99
59)	Styrene	11.426	104	339407	10.765	ppbv#	91
60)	1,1,2,2-Tetrachloroethane	11.486	83	329223	10.219	ppbv	93
61)	o-Xylene	11.486	91	495814	10.837	ppbv	97
65)	Isopropylbenzene	11.805	105	690282	9.988	ppbv	97
66)	4-Ethyltoluene	12.184	105	709419	10.665	ppbv	96
67)	1,3,5-Trimethylbenzene	12.222	105	618306	10.763	ppbv	96
68)	1,2,4-Trimethylbenzene	12.473	105	633101	10.897	ppbv	96
70)	Benzyl chloride	12.571	91	536059	10.982	ppbv	97
71)	1,3-Dichlorobenzene	12.594	146	440110	10.375	ppbv	97
72)	1,4-Dichlorobenzene	12.632	146	428233	10.310	ppbv	99
73)	sec-Butylbenzene	12.640	105	923757	10.812	ppbv	98
74)	4-Isopropyltoluene	12.731	119	874107	10.826	ppbv	98
75)	1,2-Dichlorobenzene	12.852	146	414837	10.406	ppbv	98
76)	n-Butylbenzene	12.997	91	754523	10.925	ppbv	97
77)	1,2,4-Trichlorobenzene	14.022	180	289993	10.781	ppbv	97
78)	Naphthalene	14.121	128	663729	11.375	ppbv#	99
79)	Hexachlorobutadiene	14.364	225	280507	9.764	ppbv	99
81]	1,2-Dichlorotetrafluor...	4.093	85	343573	9.097	ppbv	94
82]	Vinyl Chloride(sim)	4.202	62	161311	9.206	ppbv	99
83]	Bromomethane(sim)	4.548	94	109010	8.829	ppbv	96
84]	Trichlorofluoromethane...	5.271	101	402151	9.262	ppbv#	100
85]	1,2-Dichloroethane(sim)	7.760	62	256689	9.935	ppbv	97
86]	1,1,1-Trichloroethane(...	7.925	97	318419	9.497	ppbv#	98
87]	Benzene(sim)	8.213	78	312539	9.200	ppbv#	90
88]	Carbon Tetrachloride(sim)	8.302	117	361370	10.078	ppbv	100
89]	1,1-Dichloroethene(sim)	5.725	61	272738	9.342	ppbv	92
90]	Trichlorotrifluoroetha...	5.978	101	272071	9.364	ppbv#	99
91]	Trans-1,2-Dichloroethe...	6.438	61	237576	9.601	ppbv	93
92]	1,1-Dichloroethane(sim)	6.571	63	286662	9.464	ppbv	98
93]	Cis-1,2-Dichloroethene...	7.103	61	233167	9.570	ppbv	89
94]	Chloroform(sim)	7.293	83	275371	8.673	ppbv#	91
96]	1,2-dichloropropane(sim)	8.700	63	186957	9.142	ppbv#	84
97]	Bromodichloromethane(sim)	8.818	83	298147	9.371	ppbv	95
98]	Trichloroethene(sim)	8.838	130	181573	8.549	ppbv	96
99]	1,4-Dioxane(sim)	8.818	88	72602	10.789	ppbv	84
100]	cis-1,3-Dichloropropen...	9.329	75	235471	10.789	ppbv	98
101]	1,1,2-Trichloroethane(...	9.741	97	149195	9.358	ppbv	92
102]	Dibromochloromethane(sim)	10.160	129	356427	9.902	ppbv	100
103]	1,2-Dibromoethane(EDB)...	10.297	107	263500	9.661	ppbv	98
104]	Tetrachloroethene(sim)	10.547	166	234801	9.433	ppbv	97
106]	Bromoform(sim)	11.300	173	359834	9.654	ppbv	100
107]	m,p-Xylene(sim)	11.213	91	951816	21.114	ppbv	97
108]	1,1,2,2-Tetrachloroeth...	11.482	83	339677	9.227	ppbv	95
109]	Benzyl chloride(sim)	12.571	91	536059	12.183	ppbv	97
110]	1,3-Dichlorobenzene(sim)	12.590	146	477958	10.334	ppbv	99
111]	1,4-Dichlorobenzene(sim)	12.632	146	428233	10.331	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_16.D
Acq On : 26 Dec 2025 1:44 am
Operator :
Client ID : ICAL 10
Lab ID : 10.0 ppbv
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 26 11:08:07 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

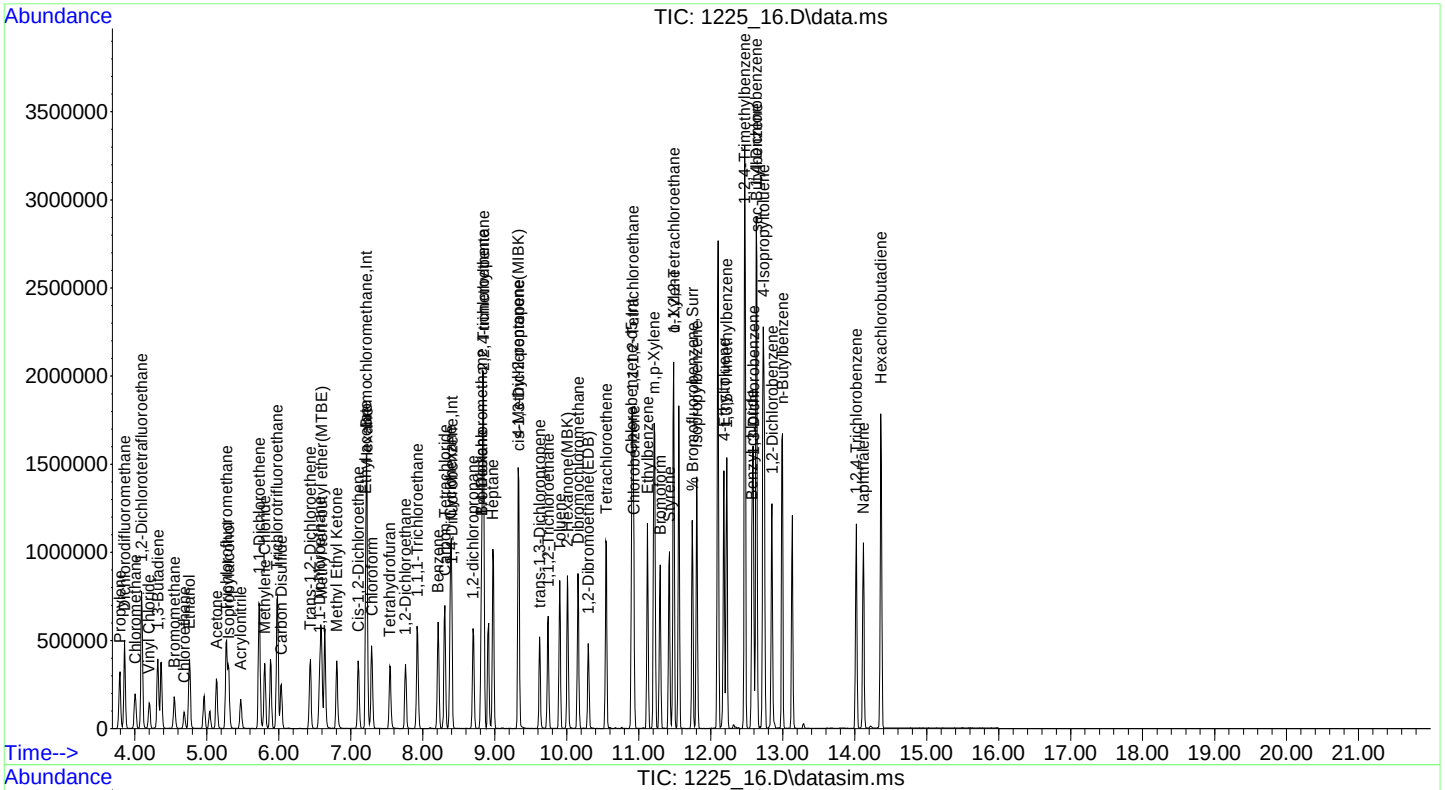
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	689463	11.879	ppbv	98
113] 4-Isopropyltoluene(sim)	12.731	119	874107	11.230	ppbv	97
114] 1,2-Dichlorobenzene(sim)	12.848	146	443503	10.238	ppbv	98
115] n-Butylbenzene(sim)	12.997	91	754523	11.886	ppbv	97
116] 1,2,4-Trichlorobenzene...	14.025	180	316297	11.373	ppbv	98
118] Hexachlorobutadiene(sim)	14.367	225	295211	8.030	ppbv	99

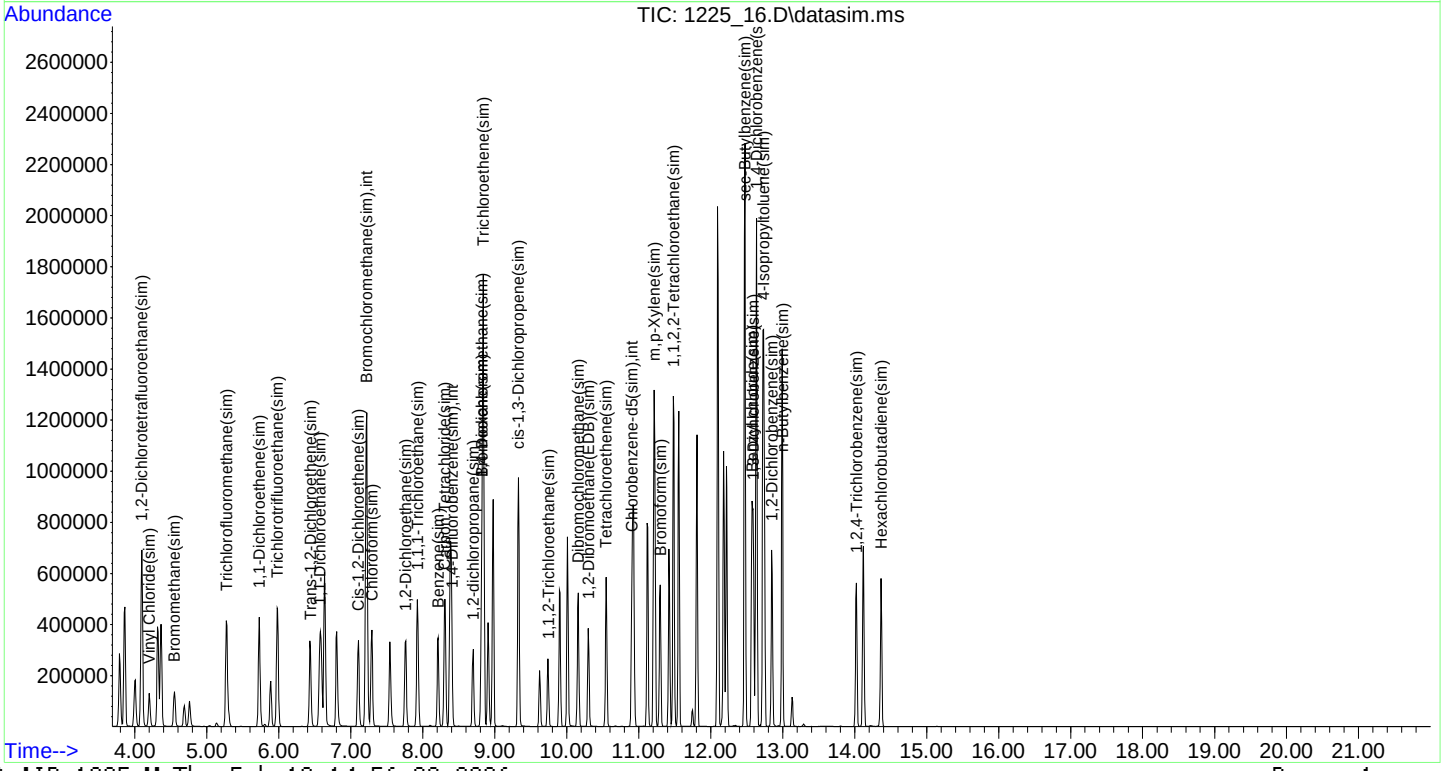
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_16.D
Acq On : 26 Dec 2025 1:44 am
Operator :
Client ID : ICAL 10
Lab ID : 10.0 ppbv
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 26 11:08:07 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration





AIR ICV RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No: SAS No: SDG No GCV13321

ICV - Client Id: ICV_CHEM39_1225

COMPOUND	SPIKE ADDED (ppbv)		ICV CONCENTRATION (ppbv)	ICV % REC #	QC. LIMITS REC.	
Propylene	10		9.621	96	70	130
Dichlorodifluoromethane	10		10.17	102	70	130
Chloromethane	10		9.578	96	70	130
1,2-Dichlorotetrafluoroethane	10		10.14	101	70	130
Vinyl Chloride	10		9.902	99	70	130
1,3-Butadiene	10		10.28	103	70	130
Bromomethane	10		9.853	99	70	130
Chloroethane	10		9.609	96	70	130
Ethanol	10		9.231	92	70	130
Acetone	10		9.332	93	70	130
Trichlorofluoromethane	10		9.576	96	70	130
Isopropylalcohol	10		9.377	94	70	130
Acrylonitrile	10		13.09	131 *	70	130
1,1-Dichloroethene	10		9.949	99	70	130
Methylene Chloride	10		9.223	92	70	130
Carbon Disulfide	10		10.09	101	70	130
Trichlorotrifluoroethane	10		9.797	98	70	130
Trans-1,2-Dichloroethene	10		10.32	103	70	130
1,1-Dichloroethane	10		9.958	100	70	130
Methyl tert-butyl ether(MTBE)	10		10.81	108	70	130
Methyl Ethyl Ketone	10		10.08	101	70	130
Cis-1,2-Dichloroethene	10		10.04	100	70	130
Hexane	10		10.63	106	70	130
Chloroform	10		9.752	98	70	130
Ethyl acetate	10		10.60	106	70	130
Tetrahydrofuran	10		10.10	101	70	130
1,2-Dichloroethane	10		10.01	100	70	130
1,1,1-Trichloroethane	10		9.879	99	70	130
Benzene	10		10.05	101	70	130
Carbon Tetrachloride	10		10.05	101	70	130
Cyclohexane	10		9.585	96	70	130
1,2-dichloropropane	10		10.52	105	70	130
Bromodichloromethane	10		9.917	99	70	130
Trichloroethene	10		10.18	102	70	130
2,2,4-trimethylpentane	10		10.31	103	70	130
1,4-Dioxane	10		10.27	103	70	130
Heptane	10		10.61	106	70	130
cis-1,3-Dichloropropene	10		10.64	106	70	130
4-Methyl-2-pentanone(MIBK)	10		10.57	106	70	130
trans-1,3-Dichloropropene	10		10.50	105	70	130
1,1,2-Trichloroethane	10		9.849	98	70	130
Toluene	10		10.25	103	70	130
Dibromochloromethane	10		10.36	104	70	130
2-Hexanone(MBK)	10		10.70	107	70	130

FORM VI AIR

AIR ICV RECOVERY

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No: SAS No: SDG No GCV13321

ICV - Client Id: ICV_CHEM39_1225

COMPOUND	SPIKE ADDED (ppbv)		ICV CONCENTRATION (ppbv)	ICV % REC #	QC. LIMITS REC.	
1,2-Dibromoethane(EDB)	10		10.52	105	70	130
Tetrachloroethene	10		10.08	101	70	130
1,1,1,2-Tetrachloroethane	10		9.829	98	70	130
Chlorobenzene	10		10.16	102	70	130
Ethylbenzene	10		10.76	108	70	130
m,p-Xylene	20		22.59	113	70	130
Bromoform	10		10.32	103	70	130
Styrene	10		11.24	112	70	130
1,1,2,2-Tetrachloroethane	10		10.70	107	70	130
o-Xylene	10		11.33	113	70	130
Isopropylbenzene	10		10.05	101	70	130
4-Ethyltoluene	10		11.17	112	70	130
1,3,5-Trimethylbenzene	10		11.27	113	70	130
1,2,4-Trimethylbenzene	10		11.58	116	70	130
Benzyl chloride	10		11.48	115	70	130
1,3-Dichlorobenzene	10		10.72	107	70	130
1,4-Dichlorobenzene	10		10.73	107	70	130
sec-Butylbenzene	10		10.67	107	70	130
4-Isopropyltoluene	10		10.65	107	70	130
1,2-Dichlorobenzene	10		10.93	109	70	130
n-Butylbenzene	10		10.75	108	70	130
1,2,4-Trichlorobenzene	10		10.99	110	70	130
Naphthalene	10		11.73	117	70	130
Hexachlorobutadiene	10		10.56	106	70	130

FORM VI AIR

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_17.D
Acq On : 26 Dec 2025 2:24 am
Operator :
Client ID : ICV_CHEM39_1225
Lab ID : 10 ppbv LCs
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 26 11:08:25 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.209	130	108257	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.395	114	381568	10.000	ng		0.00
53) Chlorobenzene-d5	10.903	82	199329	10.000	ng		0.00
80) Bromochloromethane(sim)	7.212	130	108769	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.395	114	381568	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.903	82	199329	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	267345	9.984	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.80%				
Target Compounds							Qvalue
2) Propylene	3.785	41	194408	9.621	ppbv		99
3) Dichlorodifluoromethane	3.850	85	425057	10.171	ppbv		97
4) Chloromethane	3.996	50	228910	9.578	ppbv		100
5) 1,2-Dichlorotetrafluor...	4.085	85	363117	10.140	ppbv		94
6) Vinyl Chloride	4.191	62	155778	9.902	ppbv		99
7) 1,3-Butadiene	4.313	54	169288	10.282	ppbv		95
8) Bromomethane	4.540	94	113604	9.853	ppbv		98
9) Chloroethane	4.678	64	58927	9.609	ppbv		86
11) Ethanol	4.759	45	73848	9.231	ppbv#		93
12) Acetone	5.128	43	345386	9.331	ppbv		92
13) Trichlorofluoromethane	5.269	101	393826	9.575	ppbv		100
14) Isopropylalcohol	5.299	45	370887	9.377	ppbv		99
15) Acrylonitrile	5.465	53	157647	13.085	ppbv		96
16) 1,1-Dichloroethene	5.719	61	272654	9.949	ppbv		93
17) Methylene Chloride	5.797	49	282235	9.223	ppbv#		81
20) Carbon Disulfide	6.029	76	304103	10.087	ppbv		100
21) Trichlorotrifluoroethane	5.975	101	264069	9.797	ppbv		98
22) Trans-1,2-Dichloroethene	6.430	61	248438	10.315	ppbv		93
23) 1,1-Dichloroethane	6.568	63	272426	9.958	ppbv		96
24) Methyl tert-butyl ethe...	6.585	73	319215	10.806	ppbv#		88
25) Methyl Ethyl Ketone	6.803	43	479007	10.078	ppbv#		92
26) Cis-1,2-Dichloroethene	7.104	61	236398	10.041	ppbv		89
27) Hexane	7.225	57	290445	10.630	ppbv#		89
28) Chloroform	7.290	83	267674	9.752	ppbv		93
29) Ethyl acetate	7.209	61	56423	10.600	ppbv		87
30) Tetrahydrofuran	7.541	42	235103	10.103	ppbv#		88
31) 1,2-Dichloroethane	7.760	62	258115	10.006	ppbv		96
32) 1,1,1-Trichloroethane	7.923	97	307039	9.879	ppbv		97
33) Benzene	8.213	78	318933	10.049	ppbv#		91
34) Carbon Tetrachloride	8.299	117	367316	10.048	ppbv		99
35) Cyclohexane	8.386	84	118177	9.585	ppbv#		72
37) 1,2-dichloropropane	8.697	63	182479	10.520	ppbv#		87
38) Bromodichloromethane	8.819	83	300636	9.917	ppbv		96
39) Trichloroethene	8.836	130	177811	10.176	ppbv		94
40) 2,2,4-trimethylpentane	8.836	57	938757	10.312	ppbv		95
41) 1,4-Dioxane	8.819	88	71716	10.273	ppbv		85
43) Heptane	8.974	43	466286	10.612	ppbv#		88
44) cis-1,3-Dichloropropene	9.326	75	223045	10.635	ppbv		95
45) 4-Methyl-2-pentanone(M...	9.326	43	615747	10.569	ppbv#		94
46) trans-1,3-Dichloropropene	9.622	75	185623	10.499	ppbv		97
47) 1,1,2-Trichloroethane	9.735	97	147551	9.849	ppbv		94
48) Toluene	9.904	91	434454	10.253	ppbv		97

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_17.D
Acq On : 26 Dec 2025 2:24 am
Operator :
Client ID : ICV_CHEM39_1225
Lab ID : 10 ppbv LCs
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 26 11:08:25 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.157	129	363063	10.362	ppbv	99
50)	2-Hexanone(MBK)	10.009	43	588054	10.701	ppbv	97
51)	1,2-Dibromoethane(EDB)	10.298	107	271563	10.519	ppbv	98
52)	Tetrachloroethene	10.544	166	234953	10.078	ppbv	96
54)	1,1,1,2-Tetrachloroethane	10.910	131	229764	9.829	ppbv	97
55)	Chlorobenzene	10.925	112	356039	10.161	ppbv	83
56)	Ethylbenzene	11.122	91	581949	10.763	ppbv	97
57)	m,p-Xylene	11.213	91	955042	22.587	ppbv	97
58)	Bromoform	11.297	173	368231	10.323	ppbv	99
59)	Styrene	11.426	104	345548	11.240	ppbv#	91
60)	1,1,2,2-Tetrachloroethane	11.479	83	336172	10.702	ppbv	93
61)	o-Xylene	11.486	91	505423	11.330	ppbv	98
65)	Isopropylbenzene	11.805	105	677262	10.050	ppbv	97
66)	4-Ethyltoluene	12.184	105	724554	11.171	ppbv	96
67)	1,3,5-Trimethylbenzene	12.222	105	631341	11.271	ppbv	95
68)	1,2,4-Trimethylbenzene	12.473	105	656183	11.584	ppbv	96
70)	Benzyl chloride	12.572	91	546433	11.481	ppbv	97
71)	1,3-Dichlorobenzene	12.594	146	443427	10.721	ppbv	97
72)	1,4-Dichlorobenzene	12.632	146	434678	10.733	ppbv	99
73)	sec-Butylbenzene	12.640	105	888798	10.669	ppbv	97
74)	4-Isopropyltoluene	12.731	119	838304	10.648	ppbv	98
75)	1,2-Dichlorobenzene	12.853	146	424930	10.932	ppbv	98
76)	n-Butylbenzene	12.989	91	723617	10.745	ppbv	97
77)	1,2,4-Trichlorobenzene	14.022	180	288129	10.986	ppbv	96
78)	Naphthalene	14.121	128	667313	11.730	ppbv#	99
79)	Hexachlorobutadiene	14.364	225	295684	10.556	ppbv	99
81]	1,2-Dichlorotetrafluor...	4.085	85	363087	9.658	ppbv	94
82]	Vinyl Chloride(sim)	4.194	62	167172	9.584	ppbv	100
83]	Bromomethane(sim)	4.540	94	113604	9.242	ppbv	98
84]	Trichlorofluoromethane...	5.265	101	406231	9.399	ppbv#	100
85]	1,2-Dichloroethane(sim)	7.760	62	258115	10.036	ppbv	96
86]	1,1,1-Trichloroethane(...	7.926	97	323268	9.686	ppbv#	98
87]	Benzene(sim)	8.213	78	318933	9.431	ppbv#	91
88]	Carbon Tetrachloride(sim)	8.302	117	365955	10.252	ppbv	100
89]	1,1-Dichloroethene(sim)	5.719	61	272654	9.382	ppbv	94
90]	Trichlorotrifluoroetha...	5.978	101	274472	9.490	ppbv#	99
91]	Trans-1,2-Dichloroethe...	6.430	61	248438	10.085	ppbv	93
92]	1,1-Dichloroethane(sim)	6.563	63	289906	9.615	ppbv	99
93]	Cis-1,2-Dichloroethene...	7.104	61	236398	9.747	ppbv	89
94]	Chloroform(sim)	7.285	83	278809	8.822	ppbv#	91
96]	1,2-dichloropropane(sim)	8.700	63	189541	9.382	ppbv#	84
97]	Bromodichloromethane(sim)	8.819	83	300636	9.565	ppbv	97
98]	Trichloroethene(sim)	8.839	130	182628	8.704	ppbv	96
99]	1,4-Dioxane(sim)	8.819	88	71716	10.788	ppbv	85
100]	cis-1,3-Dichloropropen...	9.329	75	238507	11.062	ppbv	98
101]	1,1,2-Trichloroethane(...	9.735	97	147551	9.368	ppbv	95
102]	Dibromochloromethane(sim)	10.160	129	360636	10.142	ppbv	100
103]	1,2-Dibromoethane(EDB)...	10.298	107	271070	10.060	ppbv	98
104]	Tetrachloroethene(sim)	10.547	166	238838	9.713	ppbv	97
106]	Bromoform(sim)	11.300	173	363567	10.004	ppbv	100
107]	m,p-Xylene(sim)	11.213	91	956778	21.767	ppbv	97
108]	1,1,2,2-Tetrachloroeth...	11.482	83	347708	9.687	ppbv#	95
109]	Benzyl chloride(sim)	12.572	91	546510	12.738	ppbv	97
110]	1,3-Dichlorobenzene(sim)	12.590	146	489204	10.848	ppbv	99
111]	1,4-Dichlorobenzene(sim)	12.632	146	435200	10.768	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_17.D
Acq On : 26 Dec 2025 2:24 am
Operator :
Client ID : ICV_CHEM39_1225
Lab ID : 10 ppbv LCs
ALS Vial : 27 Sample Multiplier: 1

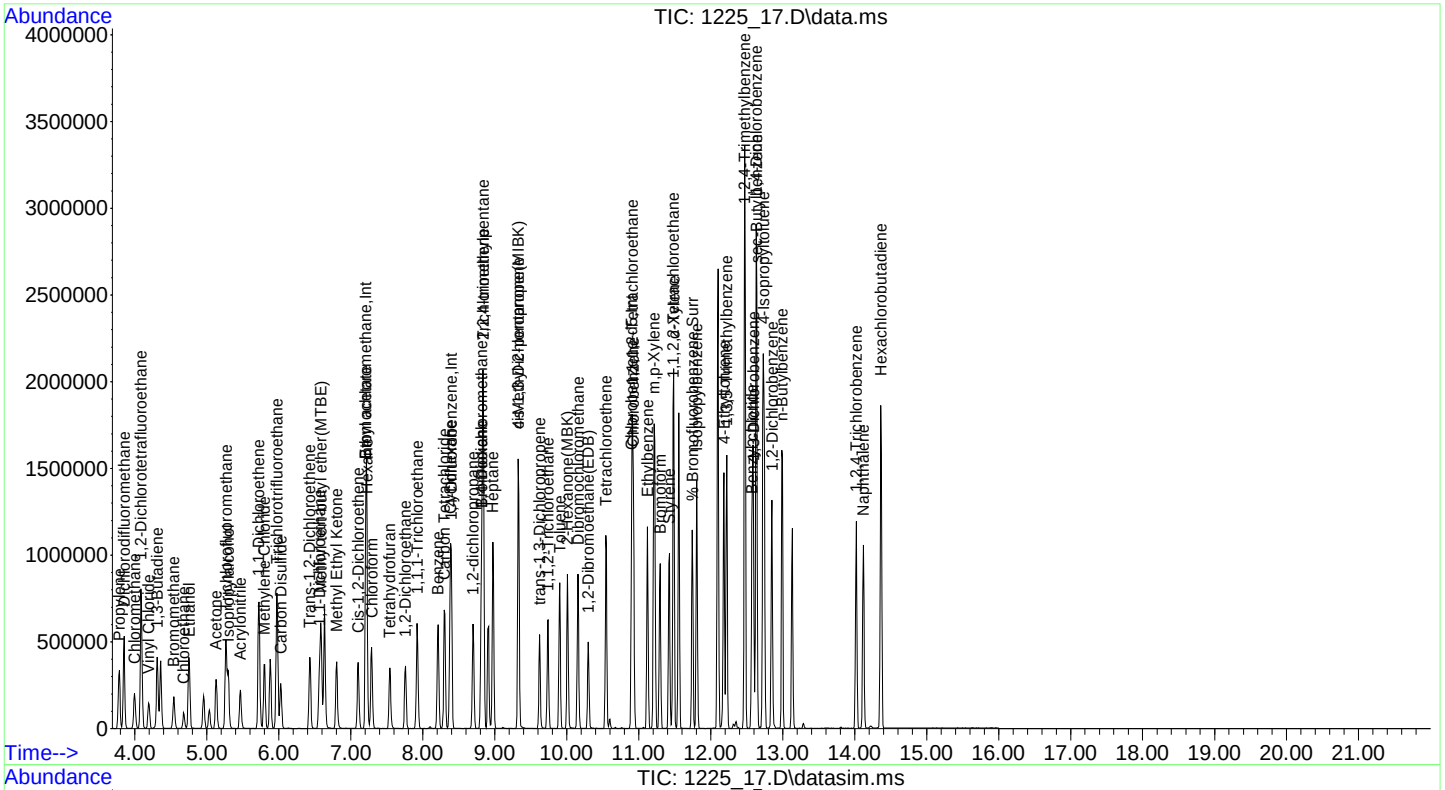
Quant Time: Dec 26 11:08:25 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

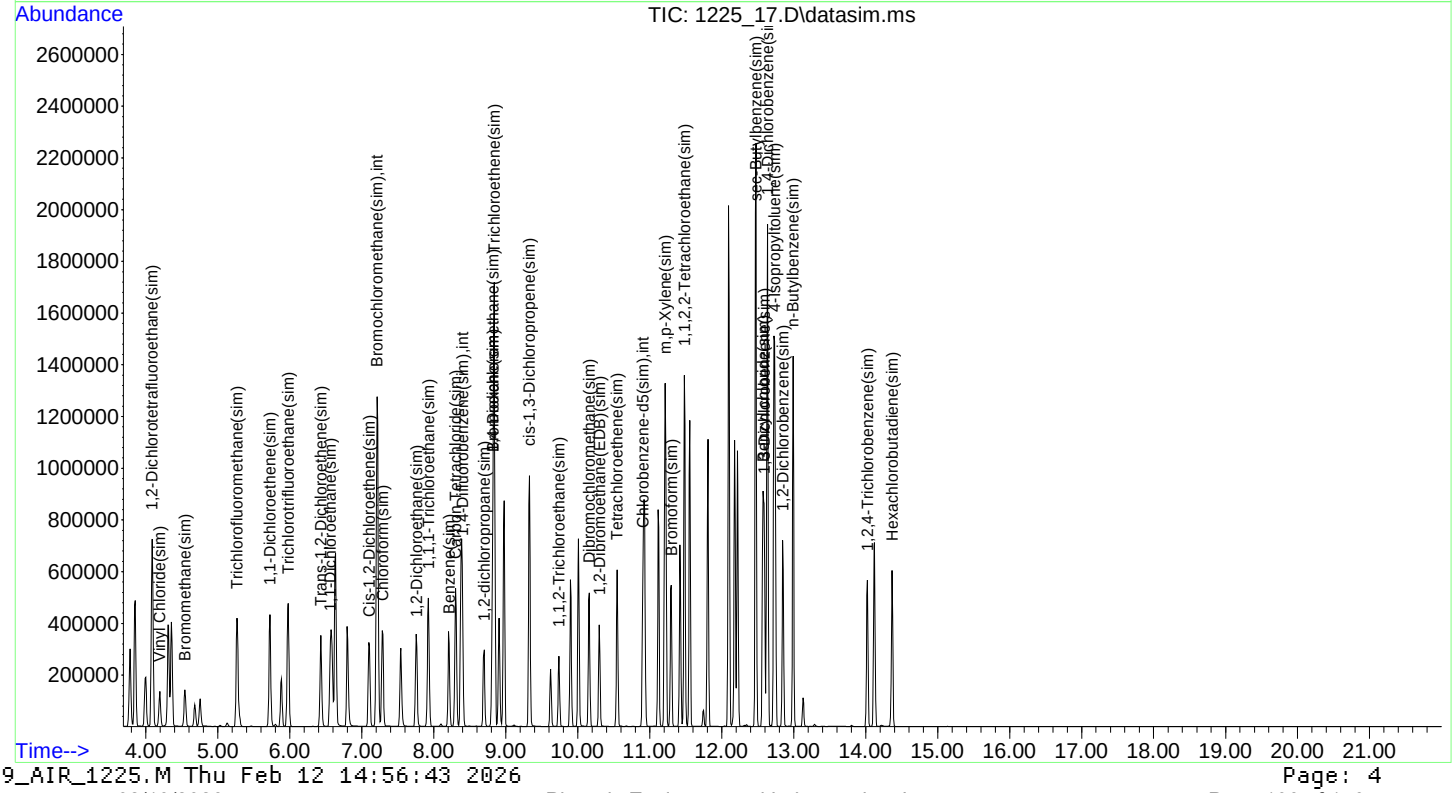
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	706842	12.490	ppbv	97
113] 4-Isopropyltoluene(sim)	12.731	119	838433	11.048	ppbv	98
114] 1,2-Dichlorobenzene(sim)	12.848	146	459165	10.870	ppbv	98
115] n-Butylbenzene(sim)	12.989	91	723617	11.691	ppbv	97
116] 1,2,4-Trichlorobenzene...	14.025	180	318119	11.731	ppbv	98
118] Hexachlorobutadiene(sim)	14.367	225	310191	8.654	ppbv	99

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\12DEC\25\
Data File : 1225_17.D
Acq On : 26 Dec 2025 2:24 am
Operator :
Client ID : ICV_CHEM39_1225
Lab ID : 10 ppbv LCs
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 26 11:08:25 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration





7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCV13321

Instrument: CHEM39 Calibration Date: 01/15/26 Time: 15:06

Lab File Id: 0115_02.D Init. Calib. Date(s): 12/25/25 12/26/25

Heated Purge (Y/N): Y Init. Calib. Times: 18:04 01:44

GC Column: RTX-1 ; #10157 Method File: 39_AIR_1225.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	1.866	1.992		-6.8	30
Dichlorodifluoromethane	3.860	3.976		-3.0	30
Chloromethane	2.208	2.503		-13.4	30
1,2-Dichlorotetrafluoroethane	3.308	3.592		-8.6	30
Vinyl Chloride	1.453	1.627		-12.0	30
1,3-Butadiene	1.521	1.734		-14.0	30
Bromomethane	1.065	1.130		-6.1	30
Chloroethane	0.566	0.634		-12.0	30
Ethanol	0.739	0.898		-21.5	30
Acetone	3.419	3.843		-12.4	30
Trichlorofluoromethane	3.799	3.806		-0.2	30
Isopropylalcohol	3.654	3.610		1.2	30
Acrylonitrile	1.113	1.130		-1.5	30
1,1-Dichloroethene	2.531	2.521		0.4	30
Methylene Chloride	2.827	3.011		-6.5	30
Carbon Disulfide	2.785	3.054		-9.7	30
Trichlorotrifluoroethane	2.490	2.671		-7.3	30
Trans-1,2-Dichloroethene	2.225	2.139		3.9	30
1,1-Dichloroethane	2.527	2.630		-4.1	30
Methyl tert-butyl ether(MTBE)	2.729	2.325		14.8	30
Methyl Ethyl Ketone	4.390	4.339		1.2	30
Cis-1,2-Dichloroethene	2.175	2.094		3.7	30
Hexane	2.524	2.278		9.7	30
Chloroform	2.536	2.627		-3.6	30
Ethyl acetate	0.492	0.502		-2.0	30
Tetrahydrofuran	2.150	1.969		8.4	30
1,2-Dichloroethane	2.383	2.415		-1.3	30
1,1,1-Trichloroethane	2.871	2.930		-2.1	30
Benzene	2.932	2.982		-1.7	30
Carbon Tetrachloride	3.377	3.290		2.6	30
Cyclohexane	1.139	1.080		5.2	30
1,2-dichloropropane	0.455	0.503		-10.5	30
Bromodichloromethane	0.794	0.828		-4.3	30
Trichloroethene	0.458	0.473		-3.3	30
2,2,4-trimethylpentane	2.386	2.337		2.1	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCV13321

Instrument: CHEM39 Calibration Date: 01/15/26 Time: 15:06

Lab File Id: 0115_02.D Init. Calib. Date(s): 12/25/25 12/26/25

Heated Purge (Y/N): Y Init. Calib. Times: 18:04 01:44

GC Column: RTX-1 ; #10157 Method File: 39_AIR_1225.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.183	0.169		7.7	30
Heptane	1.152	1.200		-4.2	30
cis-1,3-Dichloropropene	0.550	0.540		1.8	30
4-Methyl-2-pentanone(MIBK)	1.527	1.541		-0.9	30
trans-1,3-Dichloropropene	0.463	0.436		5.8	30
1,1,2-Trichloroethane	0.393	0.421		-7.1	30
Toluene	1.111	1.070		3.7	30
Dibromochloromethane	0.918	0.946		-3.1	30
2-Hexanone(MBK)	1.440	1.430		0.7	30
1,2-Dibromoethane(EDB)	0.677	0.676		0.1	30
Tetrachloroethene	0.611	0.596		2.5	30
1,1,1,2-Tetrachloroethane	1.173	1.266		-7.9	30
Chlorobenzene	1.758	1.908		-8.5	30
Ethylbenzene	2.713	2.602		4.1	30
m,p-Xylene	2.121	1.730		18.4	30
Bromoform	1.790	1.864		-4.1	30
Styrene	1.542	1.489		3.4	30
1,1,2,2-Tetrachloroethane	1.576	1.878		-19.2	30
o-Xylene	2.238	2.207		1.4	30
Isopropylbenzene	3.381	3.569		-5.6	30
4-Ethyltoluene	3.254	3.262		-0.2	30
1,3,5-Trimethylbenzene	2.810	2.752		2.1	30
1,2,4-Trimethylbenzene	2.842	2.706		4.8	30
Benzyl chloride	2.388	2.298		3.8	30
1,3-Dichlorobenzene	2.075	2.179		-5.0	30
1,4-Dichlorobenzene	2.032	1.956		3.7	30
sec-Butylbenzene	4.179	4.152		0.6	30
4-Isopropyltoluene	3.950	3.784		4.2	30
1,2-Dichlorobenzene	1.950	2.046		-4.9	30
n-Butylbenzene	3.378	3.293		2.5	30
1,2,4-Trichlorobenzene	1.316	1.199		8.9	30
Naphthalene	2.854	2.443		14.4	30
Hexachlorobutadiene	1.405	1.498		-6.6	30
1,2-Dichlorotetrafluoroethane(sim)	3.456	3.467		-0.3	30
Vinyl Chloride(sim)	1.604	1.652		-3.0	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCV13321

Instrument: CHEM39 Calibration Date: 01/15/26 Time: 15:06

Lab File Id: 0115_02.D Init. Calib. Date(s): 12/25/25 12/26/25

Heated Purge (Y/N): Y Init. Calib. Times: 18:04 01:44

GC Column: RTX-1 ; #10157 Method File: 39_AIR_1225.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.130	1.091		3.5	30
Trichlorofluoromethane(sim)	3.974	3.818		3.9	30
1,2-Dichloroethane(sim)	2.365	2.331		1.4	30
1,1,1-Trichloroethane(sim)	3.069	2.948		3.9	30
Benzene(sim)	3.109	2.878		7.4	30
Carbon Tetrachloride(sim)	3.282	3.279		0.1	30
1,1-Dichloroethene(sim)	2.672	2.433		8.9	30
Trichlorotrifluoroethane(sim)	2.659	2.669		-0.4	30
Trans-1,2-Dichloroethene(sim)	2.265	2.064		8.9	30
1,1-Dichloroethane(sim)	2.772	2.729		1.6	30
Cis-1,2-Dichloroethene(sim)	2.230	2.021		9.4	30
Chloroform(sim)	2.906	2.660		8.5	30
1,2-dichloropropane(sim)	0.529	0.533		-0.8	30
Bromodichloromethane(sim)	0.824	0.825		-0.1	30
Trichloroethene(sim)	0.550	0.489		11.1	30
1,4-Dioxane(sim)	0.174	0.169		2.9	30
cis-1,3-Dichloropropene(sim)	0.565	0.579		-2.5	30
1,1,2-Trichloroethane(sim)	0.413	0.419		-1.5	30
Dibromochloromethane(sim)	0.932	0.941		-1.0	30
1,2-Dibromoethane(EDB)(sim)	0.706	0.674		4.5	30
Tetrachloroethene(sim)	0.644	0.623		3.3	30
Bromoform(sim)	1.823	1.880		-3.1	30
m,p-Xylene(sim)	2.205	2.194		0.5	30
1,1,2,2-Tetrachloroethane(sim)	1.801	1.922		-6.7	30
Benzyl chloride(sim)	2.152	2.298		-6.8	30
1,3-Dichlorobenzene(sim)	2.262	2.290		-1.2	30
1,4-Dichlorobenzene(sim)	2.028	1.951		3.8	30
sec-Butylbenzene(sim)	2.839	2.924		-3.0	30
4-Isopropyltoluene(sim)	3.807	3.784		0.6	30
1,2-Dichlorobenzene(sim)	2.119	2.219		-4.7	30
n-Butylbenzene(sim)	3.105	3.293		-6.1	30
1,2,4-Trichlorobenzene(sim)	1.360	1.358		0.1	30
Hexachlorobutadiene(sim)	1.798	1.642		8.7	30
% Bromofluorobenzene	1.343	1.436		-6.9	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_02.D
Acq On : 15 Jan 2026 3:06 pm
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb cCal; TO1517K - 1ppb cCal; TO1517K
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 07:28:51 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%
1	Int	Bromochloromethane	1.000	1.000	0.0	94
2		Propylene	1.866	1.992	-6.8	
3		Dichlorodifluoromethane	3.860	3.976	-3.0	
4		Chloromethane	2.208	2.503	-13.4	
5		1,2-Dichlorotetrafluoroetha	3.308	3.592	-8.6	
6		Vinyl Chloride	1.453	1.627	-12.0	
7		1,3-Butadiene	1.521	1.734	-14.0	
8		Bromomethane	1.065	1.130	-6.1	
9		Chloroethane	0.566	0.634	-12.0	
11		Ethanol	0.739	0.898	-21.5	
12		Acetone	3.419	3.843	-12.4	
13		Trichlorofluoromethane	3.799	3.806	-0.2	
14		Isopropylalcohol	3.654	3.610	1.2	
15		Acrylonitrile	1.113	1.130	-1.5	
16		1,1-Dichloroethene	2.531	2.521	0.4	
17		Methylene Chloride	2.827	3.011	-6.5	
20		Carbon Disulfide	2.785	3.054	-9.7	
21		Trichlorotrifluoroethane	2.490	2.671	-7.3	
22		Trans-1,2-Dichloroethene	2.225	2.139	3.9	
23		1,1-Dichloroethane	2.527	2.630	-4.1	
24		Methyl tert-butyl ether(MTB	2.729	2.325	14.8	
25		Methyl Ethyl Ketone	4.390	4.339	1.2	
26		Cis-1,2-Dichloroethene	2.175	2.094	3.7	
27		Hexane	2.524	2.278	9.7	
28		Chloroform	2.536	2.627	-3.6	
29		Ethyl acetate	0.492	0.502	-2.0	
30		Tetrahydrofuran	2.150	1.969	8.4	
31		1,2-Dichloroethane	2.383	2.415	-1.3	
32		1,1,1-Trichloroethane	2.871	2.930	-2.1	
33		Benzene	2.932	2.982	-1.7	
34		Carbon Tetrachloride	3.377	3.290	2.6	
35		Cyclohexane	1.139	1.080	5.2	
36	Int	1,4-Difluorobenzene	1.000	1.000	0.0	92
37		1,2-dichloropropane	0.455	0.503	-10.5	
38		Bromodichloromethane	0.794	0.828	-4.3	
39		Trichloroethene	0.458	0.473	-3.3	
40		2,2,4-trimethylpentane	2.386	2.337	2.1	
41		1,4-Dioxane	0.183	0.169	7.7	
43		Heptane	1.152	1.200	-4.2	
44		cis-1,3-Dichloropropene	0.550	0.540	1.8	
45		4-Methyl-2-pentanone(MIBK)	1.527	1.541	-0.9	
46		trans-1,3-Dichloropropene	0.463	0.436	5.8	
47		1,1,2-Trichloroethane	0.393	0.421	-7.1	
48		Toluene	1.111	1.070	3.7	
49		Dibromochloromethane	0.918	0.946	-3.1	
50		2-Hexanone(MBK)	1.440	1.430	0.7	
51		1,2-Dibromoethane(EDB)	0.677	0.676	0.1	
52		Tetrachloroethene	0.611	0.596	2.5	
53	Int	Chlorobenzene-d5	1.000	1.000	0.0	94

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_02.D
Acq On : 15 Jan 2026 3:06 pm
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb cCal; TO1517K - 1ppb cCal; TO1517K
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 07:28:51 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%
54		1,1,1,2-Tetrachloroethane	1.173	1.266	-7.9	
55		Chlorobenzene	1.758	1.908	-8.5	
56		Ethylbenzene	2.713	2.602	4.1	
57		m,p-Xylene	2.121	1.730	18.4	
58		Bromoform	1.790	1.864	-4.1	
59		Styrene	1.542	1.489	3.4	
60		1,1,2,2-Tetrachloroethane	1.576	1.878	-19.2	
61		o-Xylene	2.238	2.207	1.4	
65		Isopropylbenzene	3.381	3.569	-5.6	
66		4-Ethyltoluene	3.254	3.262	-0.2	
67		1,3,5-Trimethylbenzene	2.810	2.752	2.1	
68		1,2,4-Trimethylbenzene	2.842	2.706	4.8	
70		Benzyl chloride	2.388	2.298	3.8	
71		1,3-Dichlorobenzene	2.075	2.179	-5.0	
72		1,4-Dichlorobenzene	2.032	1.956	3.7	
73		sec-Butylbenzene	4.179	4.152	0.6	
74		4-Isopropyltoluene	3.950	3.784	4.2	
75		1,2-Dichlorobenzene	1.950	2.046	-4.9	
76		n-Butylbenzene	3.378	3.293	2.5	
77		1,2,4-Trichlorobenzene	1.316	1.199	8.9	
78		Naphthalene	2.854	2.443	14.4	
79		Hexachlorobutadiene	1.405	1.498	-6.6	
80	int	Bromochloromethane(sim)	1.000	1.000	0.0	95
81		1,2-Dichlorotetrafluoroetha	3.456	3.467	-0.3	
82		Vinyl Chloride(sim)	1.604	1.652	-3.0	
83		Bromomethane(sim)	1.130	1.091	3.5	
84		Trichlorofluoromethane(sim)	3.974	3.818	3.9	
85		1,2-Dichloroethane(sim)	2.365	2.331	1.4	
86		1,1,1-Trichloroethane(sim)	3.069	2.948	3.9	
87		Benzene(sim)	3.109	2.878	7.4	
88		Carbon Tetrachloride(sim)	3.282	3.279	0.1	
89		1,1-Dichloroethene(sim)	2.672	2.433	8.9	
90		Trichlorotrifluoroethane(si	2.659	2.669	-0.4	
91		Trans-1,2-Dichloroethene(si	2.265	2.064	8.9	
92		1,1-Dichloroethane(sim)	2.772	2.729	1.6	
93		Cis-1,2-Dichloroethene(sim)	2.230	2.021	9.4	
94		Chloroform(sim)	2.906	2.660	8.5	
95	int	1,4-Difluorobenzene(sim)	1.000	1.000	0.0	92
96		1,2-dichloropropane(sim)	0.529	0.533	-0.8	
97		Bromodichloromethane(sim)	0.824	0.825	-0.1	
98		Trichloroethene(sim)	0.550	0.489	11.1	
99		1,4-Dioxane(sim)	0.174	0.169	2.9	
100		cis-1,3-Dichloropropene(sim	0.565	0.579	-2.5	
101		1,1,2-Trichloroethane(sim)	0.413	0.419	-1.5	
102		Dibromochloromethane(sim)	0.932	0.941	-1.0	
103		1,2-Dibromoethane(EDB)(sim)	0.706	0.674	4.5	
104		Tetrachloroethene(sim)	0.644	0.623	3.3	
105	int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	94

Evaluate Continuing Calibration Report

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_02.D
Acq On : 15 Jan 2026 3:06 pm
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb cCal; TO1517K - 1ppb cCal; TO1517K
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 07:28:51 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev Area%
106	Bromoform(sim)	1.823	1.880	-3.1
107	m,p-Xylene(sim)	2.205	2.194	0.5
108	1,1,2,2-Tetrachloroethane(s	1.801	1.922	-6.7
109	Benzyl chloride(sim)	2.152	2.298	-6.8
110	1,3-Dichlorobenzene(sim)	2.262	2.290	-1.2
111	1,4-Dichlorobenzene(sim)	2.028	1.951	3.8
112	sec-Butylbenzene(sim)	2.839	2.924	-3.0
113	4-Isopropyltoluene(sim)	3.807	3.784	0.6
114	1,2-Dichlorobenzene(sim)	2.119	2.219	-4.7
115	n-Butylbenzene(sim)	3.105	3.293	-6.1
116	1,2,4-Trichlorobenzene(sim)	1.360	1.358	0.1
118	Hexachlorobutadiene(sim)	1.798	1.642	8.7

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
Laboratory Warning Limits Out = 0

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_02.D
Acq On : 15 Jan 2026 3:06 pm
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb cCal; TO1517K - 1ppb cCal; TO1517K
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 07:28:51 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.209	130	105436	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.394	114	364875	10.000	ng		0.00
53) Chlorobenzene-d5	10.902	82	182606	10.000	ng		0.00
80) Bromochloromethane(sim)	7.212	130	109243	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.394	114	365936	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.902	82	182606	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	262230	10.690	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.90%				
Target Compounds							Qvalue
2) Propylene	3.785	41	20998	1.067	ppbv		99
3) Dichlorodifluoromethane	3.850	85	41926	1.030	ppbv#		93
4) Chloromethane	3.996	50	26389	1.134	ppbv		100
5) 1,2-Dichlorotetrafluor...	4.085	85	37870	1.086	ppbv		97
6) Vinyl Chloride	4.199	62	17154	1.120	ppbv		97
7) 1,3-Butadiene	4.312	54	18279	1.140	ppbv		90
8) Bromomethane	4.548	94	11913	1.061	ppbv		97
9) Chloroethane	4.678	64	6680	1.118	ppbv		86
11) Ethanol	4.759	45	9463	1.215	ppbv		97
12) Acetone	5.134	43	40520	1.124	ppbv		94
13) Trichlorofluoromethane	5.269	101	40131	1.002	ppbv		97
14) Isopropylalcohol	5.299	45	38060	0.988	ppbv#		89
15) Acrylonitrile	5.471	53	11916	1.016	ppbv		93
16) 1,1-Dichloroethene	5.719	61	26583	0.996	ppbv		94
17) Methylene Chloride	5.797	49	31748	1.065	ppbv#		82
20) Carbon Disulfide	6.029	76	32198	1.097	ppbv		99
21) Trichlorotrifluoroethane	5.975	101	28161	1.073	ppbv		98
22) Trans-1,2-Dichloroethene	6.430	61	22548	0.961	ppbv		95
23) 1,1-Dichloroethane	6.560	63	27726	1.041	ppbv		95
24) Methyl tert-butyl ethe...	6.593	73	24519	0.852	ppbv#		69
25) Methyl Ethyl Ketone	6.811	43	45744	0.988	ppbv#		92
26) Cis-1,2-Dichloroethene	7.095	61	22081	0.963	ppbv		93
27) Hexane	7.217	57	24022	0.903	ppbv#		69
28) Chloroform	7.282	83	27695	1.036	ppbv		91
29) Ethyl acetate	7.217	61	5296	1.022	ppbv#		78
30) Tetrahydrofuran	7.549	42	20758	0.916	ppbv#		86
31) 1,2-Dichloroethane	7.752	62	25460	1.013	ppbv		96
32) 1,1,1-Trichloroethane	7.914	97	30894	1.021	ppbv		96
33) Benzene	8.204	78	31439	1.017	ppbv#		89
34) Carbon Tetrachloride	8.299	117	34689	0.974	ppbv		98
35) Cyclohexane	8.386	84	11388	0.948	ppbv#		58
37) 1,2-dichloropropane	8.697	63	18357	1.107	ppbv#		79
38) Bromodichloromethane	8.810	83	30194	1.042	ppbv		98
39) Trichloroethene	8.836	130	17272	1.034	ppbv		92
40) 2,2,4-trimethylpentane	8.836	57	85286	0.980	ppbv#		93
41) 1,4-Dioxane	8.827	88	6167	0.924	ppbv#		80
43) Heptane	8.974	43	43785	1.042	ppbv#		85
44) cis-1,3-Dichloropropene	9.326	75	19721	0.983	ppbv		97
45) 4-Methyl-2-pentanone(M...	9.326	43	56234	1.009	ppbv#		89
46) trans-1,3-Dichloropropene	9.622	75	15912	0.941	ppbv		98
47) 1,1,2-Trichloroethane	9.735	97	15346	1.071	ppbv		89
48) Toluene	9.896	91	39034	0.963	ppbv#		95

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_02.D
Acq On : 15 Jan 2026 3:06 pm
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb cCal; TO1517K - 1ppb cCal; TO1517K
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 07:28:51 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
49) Dibromochloromethane	10.150	129	34502	1.030 ppbv	99
50) 2-Hexanone(MBK)	10.009	43	52195	0.993 ppbv#	90
51) 1,2-Dibromoethane(EDB)	10.298	107	24667	0.999 ppbv	95
52) Tetrachloroethene	10.544	166	21742	0.975 ppbv	94
54) 1,1,1,2-Tetrachloroethane	10.910	131	23110	1.079 ppbv	97
55) Chlorobenzene	10.925	112	34848	1.086 ppbv	93
56) Ethylbenzene	11.115	91	47519	0.959 ppbv	94
57) m,p-Xylene	11.213	91	78993	2.039 ppbv	98
58) Bromoform	11.289	173	34034	1.041 ppbv	97
59) Styrene	11.418	104	27184	0.965 ppbv#	88
60) 1,1,2,2-Tetrachloroethane	11.479	83	34293	1.192 ppbv	98
61) o-Xylene	11.479	91	40301	0.986 ppbv	95
65) Isopropylbenzene	11.805	105	65166	1.056 ppbv	99
66) 4-Ethyltoluene	12.177	105	59560	1.002 ppbv	97
67) 1,3,5-Trimethylbenzene	12.222	105	50245	0.979 ppbv	94
68) 1,2,4-Trimethylbenzene	12.473	105	49411	0.952 ppbv	97
70) Benzyl chloride	12.572	91	41955	0.962 ppbv	99
71) 1,3-Dichlorobenzene	12.587	146	39797	1.050 ppbv	98
72) 1,4-Dichlorobenzene	12.625	146	35710	0.963 ppbv	97
73) sec-Butylbenzene	12.632	105	75816	0.993 ppbv	99
74) 4-Isopropyltoluene	12.723	119	69089	0.958 ppbv	98
75) 1,2-Dichlorobenzene	12.845	146	37360	1.049 ppbv	98
76) n-Butylbenzene	12.989	91	60130	0.975 ppbv	97
77) 1,2,4-Trichlorobenzene	14.022	180	21895	0.911 ppbv	94
78) Naphthalene	14.121	128	44617	0.856 ppbv#	95
79) Hexachlorobutadiene	14.364	225	27357	1.066 ppbv	98
81] 1,2-Dichlorotetrafluor...	4.085	85	37870	1.003 ppbv	97
82] Vinyl Chloride(sim)	4.194	62	18052	1.030 ppbv	99
83] Bromomethane(sim)	4.548	94	11913	0.965 ppbv	97
84] Trichlorofluoromethane...	5.265	101	41709	0.961 ppbv#	100
85] 1,2-Dichloroethane(sim)	7.752	62	25460	0.986 ppbv	96
86] 1,1,1-Trichloroethane(...	7.917	97	32203	0.961 ppbv#	96
87] Benzene(sim)	8.204	78	31439	0.926 ppbv#	89
88] Carbon Tetrachloride(sim)	8.302	117	35824	0.999 ppbv	100
89] 1,1-Dichloroethene(sim)	5.719	61	26583	0.911 ppbv	94
90] Trichlorotrifluoroetha...	5.972	101	29152	1.004 ppbv#	98
91] Trans-1,2-Dichloroethe...	6.430	61	22548	0.911 ppbv	95
92] 1,1-Dichloroethane(sim)	6.563	63	29812	0.984 ppbv	98
93] Cis-1,2-Dichloroethene...	7.095	61	22081	0.906 ppbv	93
94] Chloroform(sim)	7.285	83	29063	0.916 ppbv#	90
96] 1,2-dichloropropane(sim)	8.692	63	19488	1.006 ppbv#	80
97] Bromodichloromethane(sim)	8.810	83	30194	1.002 ppbv	99
98] Trichloroethene(sim)	8.839	130	17905	0.890 ppbv	95
99] 1,4-Dioxane(sim)	8.827	88	6167	0.967 ppbv#	80
100] cis-1,3-Dichloropropen...	9.329	75	21202	1.025 ppbv	98
101] 1,1,2-Trichloroethane(...	9.735	97	15346	1.016 ppbv	89
102] Dibromochloromethane(sim)	10.153	129	34432	1.010 ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.298	107	24667	0.955 ppbv	95
104] Tetrachloroethene(sim)	10.547	166	22807	0.967 ppbv	96
106] Bromoform(sim)	11.292	173	34335	1.031 ppbv	99
107] m,p-Xylene(sim)	11.213	91	80111	1.989 ppbv	98
108] 1,1,2,2-Tetrachloroeth...	11.482	83	35097	1.067 ppbv	95
109] Benzyl chloride(sim)	12.572	91	41955	1.067 ppbv	99
110] 1,3-Dichlorobenzene(sim)	12.590	146	41810	1.012 ppbv	96
111] 1,4-Dichlorobenzene(sim)	12.625	146	35633	0.962 ppbv	96

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_02.D
Acq On : 15 Jan 2026 3:06 pm
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb cCal; TO1517K - 1ppb cCal; TO1517K
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 07:28:51 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

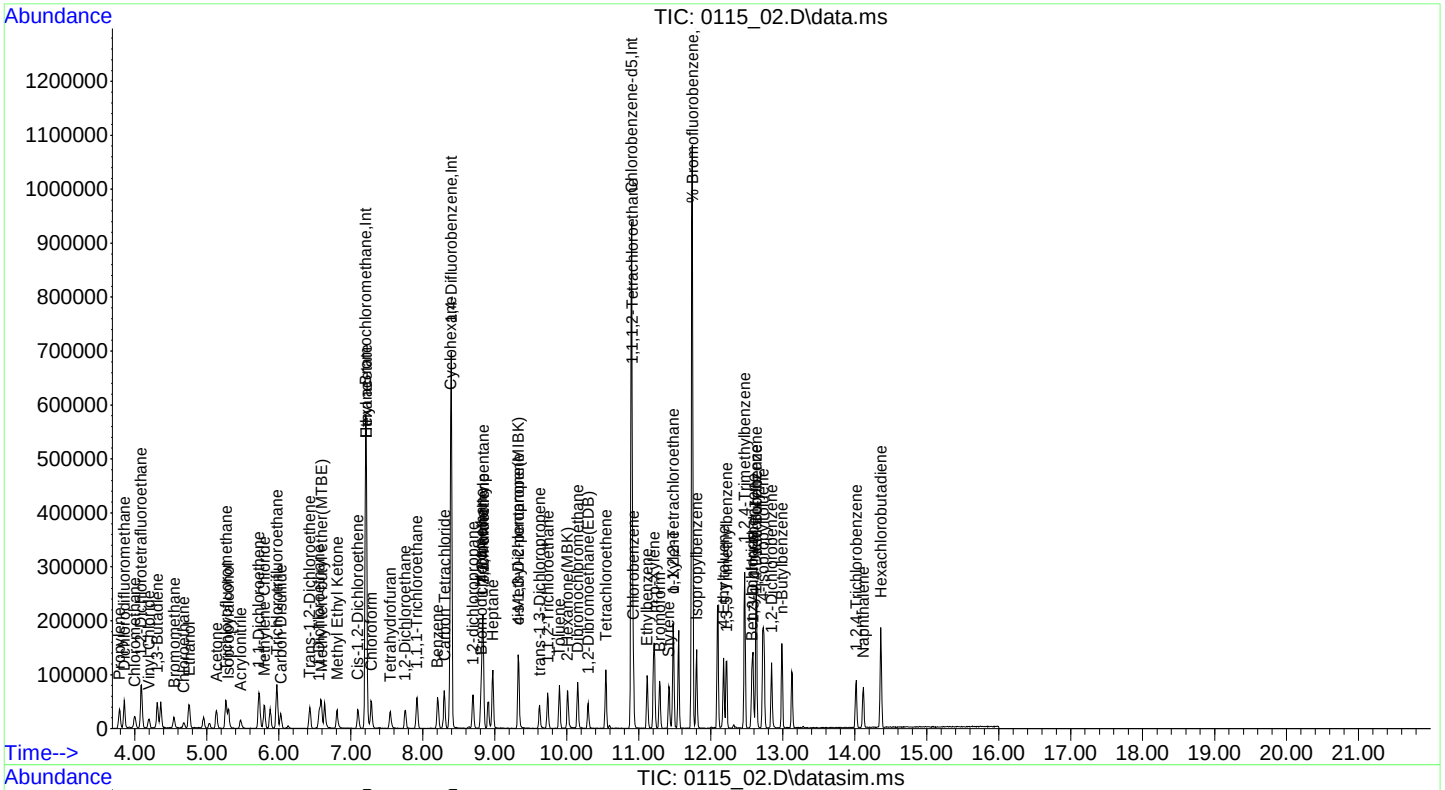
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.468	105	53396	1.030	ppbv	99
113] 4-Isopropyltoluene(sim)	12.723	119	69089	0.994	ppbv	98
114] 1,2-Dichlorobenzene(sim)	12.848	146	40522	1.047	ppbv	98
115] n-Butylbenzene(sim)	12.989	91	60130	1.060	ppbv	97
116] 1,2,4-Trichlorobenzene...	14.017	180	24802	0.998	ppbv	98
118] Hexachlorobutadiene(sim)	14.367	225	29976	0.913	ppbv	99

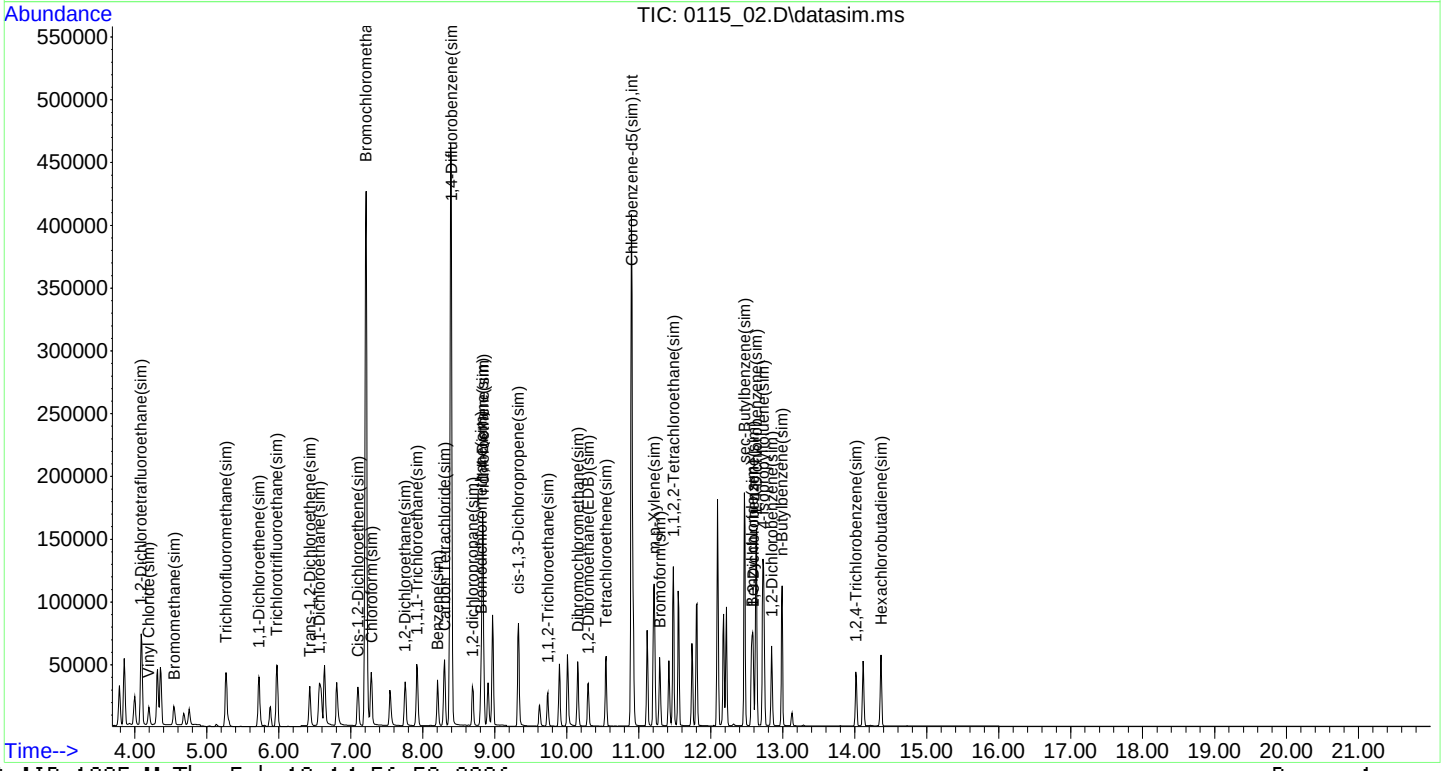
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_02.D
Acq On : 15 Jan 2026 3:06 pm
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb cCal; TO1517K - 1ppb cCal; TO1517K
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 07:28:51 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration





7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCV13321

Instrument: CHEM39 Calibration Date: 01/16/26 Time: 09:32

Lab File Id: 0116_01.D Init. Calib. Date(s): 12/25/25 12/26/25

Heated Purge (Y/N): Y Init. Calib. Times: 18:04 01:44

GC Column: RTX-1 ; #10157 Method File: 39_AIR_1225.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Propylene	1.866	1.976		-5.9	30
Dichlorodifluoromethane	3.860	3.805		1.4	30
Chloromethane	2.208	2.456		-11.2	30
1,2-Dichlorotetrafluoroethane	3.308	3.381		-2.2	30
Vinyl Chloride	1.453	1.541		-6.1	30
1,3-Butadiene	1.521	1.648		-8.3	30
Bromomethane	1.065	1.085		-1.9	30
Chloroethane	0.566	0.621		-9.7	30
Ethanol	0.739	0.907		-22.7	30
Acetone	3.419	3.943		-15.3	30
Trichlorofluoromethane	3.799	3.882		-2.2	30
Isopropylalcohol	3.654	3.718		-1.8	30
Acrylonitrile	1.113	1.163		-4.5	30
1,1-Dichloroethene	2.531	2.540		-0.4	30
Methylene Chloride	2.827	3.060		-8.2	30
Carbon Disulfide	2.785	2.952		-6.0	30
Trichlorotrifluoroethane	2.490	2.684		-7.8	30
Trans-1,2-Dichloroethene	2.225	2.297		-3.2	30
1,1-Dichloroethane	2.527	2.658		-5.2	30
Methyl tert-butyl ether(MTBE)	2.729	2.452		10.2	30
Methyl Ethyl Ketone	4.390	4.722		-7.6	30
Cis-1,2-Dichloroethene	2.175	2.016		7.3	30
Hexane	2.524	2.394		5.2	30
Chloroform	2.536	2.648		-4.4	30
Ethyl acetate	0.492	0.503		-2.2	30
Tetrahydrofuran	2.150	2.198		-2.2	30
1,2-Dichloroethane	2.383	2.443		-2.5	30
1,1,1-Trichloroethane	2.871	2.855		0.6	30
Benzene	2.932	3.003		-2.4	30
Carbon Tetrachloride	3.377	3.603		-6.7	30
Cyclohexane	1.139	1.039		8.8	30
1,2-dichloropropane	0.455	0.493		-8.4	30
Bromodichloromethane	0.794	0.841		-5.9	30
Trichloroethene	0.458	0.466		-1.7	30
2,2,4-trimethylpentane	2.386	2.364		0.9	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCV13321

Instrument: CHEM39 Calibration Date: 01/16/26 Time: 09:32

Lab File Id: 0116_01.D Init. Calib. Date(s): 12/25/25 12/26/25

Heated Purge (Y/N): Y Init. Calib. Times: 18:04 01:44

GC Column: RTX-1 ; #10157 Method File: 39_AIR_1225.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.183	0.180		1.6	30
Heptane	1.152	1.206		-4.7	30
cis-1,3-Dichloropropene	0.550	0.548		0.4	30
4-Methyl-2-pentanone(MIBK)	1.527	1.590		-4.1	30
trans-1,3-Dichloropropene	0.463	0.422		8.9	30
1,1,2-Trichloroethane	0.393	0.401		-2.0	30
Toluene	1.111	1.031		7.2	30
Dibromochloromethane	0.918	0.932		-1.5	30
2-Hexanone(MBK)	1.440	1.464		-1.7	30
1,2-Dibromoethane(EDB)	0.677	0.730		-7.8	30
Tetrachloroethene	0.611	0.617		-1.0	30
1,1,1,2-Tetrachloroethane	1.173	1.247		-6.3	30
Chlorobenzene	1.758	1.875		-6.7	30
Ethylbenzene	2.713	2.700		0.5	30
m,p-Xylene	2.121	1.782		16.0	30
Bromoform	1.790	1.883		-5.2	30
Styrene	1.542	1.454		5.7	30
1,1,2,2-Tetrachloroethane	1.576	1.830		-16.1	30
o-Xylene	2.238	2.242		-0.2	30
Isopropylbenzene	3.381	3.444		-1.9	30
4-Ethyltoluene	3.254	3.395		-4.3	30
1,3,5-Trimethylbenzene	2.810	2.646		5.8	30
1,2,4-Trimethylbenzene	2.842	2.722		4.2	30
Benzyl chloride	2.388	2.323		2.7	30
1,3-Dichlorobenzene	2.075	2.246		-8.2	30
1,4-Dichlorobenzene	2.032	1.964		3.3	30
sec-Butylbenzene	4.179	4.050		3.1	30
4-Isopropyltoluene	3.950	3.798		3.8	30
1,2-Dichlorobenzene	1.950	2.022		-3.7	30
n-Butylbenzene	3.378	3.334		1.3	30
1,2,4-Trichlorobenzene	1.316	1.304		0.9	30
Naphthalene	2.854	2.567		10.1	30
Hexachlorobutadiene	1.405	1.586		-12.9	30
1,2-Dichlorotetrafluoroethane(sim)	3.456	3.242		6.2	30
Vinyl Chloride(sim)	1.604	1.539		4.1	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: IMPACT-ICL

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCV13321

Instrument: CHEM39 Calibration Date: 01/16/26 Time: 09:32

Lab File Id: 0116_01.D Init. Calib. Date(s): 12/25/25 12/26/25

Heated Purge (Y/N): Y Init. Calib. Times: 18:04 01:44

GC Column: RTX-1 ; #10157 Method File: 39_AIR_1225.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.130	1.041		7.9	30
Trichlorofluoromethane(sim)	3.974	3.842		3.3	30
1,2-Dichloroethane(sim)	2.365	2.342		1.0	30
1,1,1-Trichloroethane(sim)	3.069	2.957		3.6	30
Benzene(sim)	3.109	2.879		7.4	30
Carbon Tetrachloride(sim)	3.282	3.345		-1.9	30
1,1-Dichloroethene(sim)	2.672	2.436		8.8	30
Trichlorotrifluoroethane(sim)	2.659	2.620		1.5	30
Trans-1,2-Dichloroethene(sim)	2.265	2.202		2.8	30
1,1-Dichloroethane(sim)	2.772	2.704		2.5	30
Cis-1,2-Dichloroethene(sim)	2.230	1.933		13.3	30
Chloroform(sim)	2.906	2.663		8.4	30
1,2-dichloropropane(sim)	0.529	0.524		0.9	30
Bromodichloromethane(sim)	0.824	0.841		-2.1	30
Trichloroethene(sim)	0.550	0.484		12.0	30
1,4-Dioxane(sim)	0.174	0.180		-3.4	30
cis-1,3-Dichloropropene(sim)	0.565	0.574		-1.6	30
1,1,2-Trichloroethane(sim)	0.413	0.401		2.9	30
Dibromochloromethane(sim)	0.932	0.940		-0.9	30
1,2-Dibromoethane(EDB)(sim)	0.706	0.728		-3.1	30
Tetrachloroethene(sim)	0.644	0.614		4.7	30
Bromoform(sim)	1.823	1.859		-2.0	30
m,p-Xylene(sim)	2.205	2.228		-1.0	30
1,1,2,2-Tetrachloroethane(sim)	1.801	1.886		-4.7	30
Benzyl chloride(sim)	2.152	2.323		-7.9	30
1,3-Dichlorobenzene(sim)	2.262	2.306		-1.9	30
1,4-Dichlorobenzene(sim)	2.028	1.964		3.2	30
sec-Butylbenzene(sim)	2.839	2.964		-4.4	30
4-Isopropyltoluene(sim)	3.807	3.798		0.2	30
1,2-Dichlorobenzene(sim)	2.119	2.216		-4.6	30
n-Butylbenzene(sim)	3.105	3.334		-7.4	30
1,2,4-Trichlorobenzene(sim)	1.360	1.403		-3.2	30
Hexachlorobutadiene(sim)	1.798	1.643		8.6	30
% Bromofluorobenzene	1.343	1.466		-9.2	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0116_01.D
Acq On : 16 Jan 2026 9:32 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb cCal; TO1517K
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 10:16:40 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%
1	Int	Bromochloromethane	1.000	1.000	0.0	84
2		Propylene	1.866	1.976	-5.9	
3		Dichlorodifluoromethane	3.860	3.805	1.4	
4		Chloromethane	2.208	2.456	-11.2	
5		1,2-Dichlorotetrafluoroetha	3.308	3.381	-2.2	
6		Vinyl Chloride	1.453	1.541	-6.1	
7		1,3-Butadiene	1.521	1.648	-8.3	
8		Bromomethane	1.065	1.085	-1.9	
9		Chloroethane	0.566	0.621	-9.7	
11		Ethanol	0.739	0.907	-22.7	
12		Acetone	3.419	3.943	-15.3	
13		Trichlorofluoromethane	3.799	3.882	-2.2	
14		Isopropylalcohol	3.654	3.718	-1.8	
15		Acrylonitrile	1.113	1.163	-4.5	
16		1,1-Dichloroethene	2.531	2.540	-0.4	
17		Methylene Chloride	2.827	3.060	-8.2	
20		Carbon Disulfide	2.785	2.952	-6.0	
21		Trichlorotrifluoroethane	2.490	2.684	-7.8	
22		Trans-1,2-Dichloroethene	2.225	2.297	-3.2	
23		1,1-Dichloroethane	2.527	2.658	-5.2	
24		Methyl tert-butyl ether(MTB	2.729	2.452	10.2	
25		Methyl Ethyl Ketone	4.390	4.722	-7.6	
26		Cis-1,2-Dichloroethene	2.175	2.016	7.3	
27		Hexane	2.524	2.394	5.2	
28		Chloroform	2.536	2.648	-4.4	
29		Ethyl acetate	0.492	0.503	-2.2	
30		Tetrahydrofuran	2.150	2.198	-2.2	
31		1,2-Dichloroethane	2.383	2.443	-2.5	
32		1,1,1-Trichloroethane	2.871	2.855	0.6	
33		Benzene	2.932	3.003	-2.4	
34		Carbon Tetrachloride	3.377	3.603	-6.7	
35		Cyclohexane	1.139	1.039	8.8	
36	Int	1,4-Difluorobenzene	1.000	1.000	0.0	83
37		1,2-dichloropropane	0.455	0.493	-8.4	
38		Bromodichloromethane	0.794	0.841	-5.9	
39		Trichloroethene	0.458	0.466	-1.7	
40		2,2,4-trimethylpentane	2.386	2.364	0.9	
41		1,4-Dioxane	0.183	0.180	1.6	
43		Heptane	1.152	1.206	-4.7	
44		cis-1,3-Dichloropropene	0.550	0.548	0.4	
45		4-Methyl-2-pentanone(MIBK)	1.527	1.590	-4.1	
46		trans-1,3-Dichloropropene	0.463	0.422	8.9	
47		1,1,2-Trichloroethane	0.393	0.401	-2.0	
48		Toluene	1.111	1.031	7.2	
49		Dibromochloromethane	0.918	0.932	-1.5	
50		2-Hexanone(MBK)	1.440	1.464	-1.7	
51		1,2-Dibromoethane(EDB)	0.677	0.730	-7.8	
52		Tetrachloroethene	0.611	0.617	-1.0	
53	Int	Chlorobenzene-d5	1.000	1.000	0.0	85

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0116_01.D
Acq On : 16 Jan 2026 9:32 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb cCal; TO1517K
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 10:16:40 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%
54		1,1,1,2-Tetrachloroethane	1.173	1.247	-6.3	
55		Chlorobenzene	1.758	1.875	-6.7	
56		Ethylbenzene	2.713	2.700	0.5	
57		m,p-Xylene	2.121	1.782	16.0	
58		Bromoform	1.790	1.883	-5.2	
59		Styrene	1.542	1.454	5.7	
60		1,1,2,2-Tetrachloroethane	1.576	1.830	-16.1	
61		o-Xylene	2.238	2.242	-0.2	
65		Isopropylbenzene	3.381	3.444	-1.9	
66		4-Ethyltoluene	3.254	3.395	-4.3	
67		1,3,5-Trimethylbenzene	2.810	2.646	5.8	
68		1,2,4-Trimethylbenzene	2.842	2.722	4.2	
70		Benzyl chloride	2.388	2.323	2.7	
71		1,3-Dichlorobenzene	2.075	2.246	-8.2	
72		1,4-Dichlorobenzene	2.032	1.964	3.3	
73		sec-Butylbenzene	4.179	4.050	3.1	
74		4-Isopropyltoluene	3.950	3.798	3.8	
75		1,2-Dichlorobenzene	1.950	2.022	-3.7	
76		n-Butylbenzene	3.378	3.334	1.3	
77		1,2,4-Trichlorobenzene	1.316	1.304	0.9	
78		Naphthalene	2.854	2.567	10.1	
79		Hexachlorobutadiene	1.405	1.586	-12.9	
80	int	Bromochloromethane(sim)	1.000	1.000	0.0	86
81		1,2-Dichlorotetrafluoroetha	3.456	3.242	6.2	
82		Vinyl Chloride(sim)	1.604	1.539	4.1	
83		Bromomethane(sim)	1.130	1.041	7.9	
84		Trichlorofluoromethane(sim)	3.974	3.842	3.3	
85		1,2-Dichloroethane(sim)	2.365	2.342	1.0	
86		1,1,1-Trichloroethane(sim)	3.069	2.957	3.6	
87		Benzene(sim)	3.109	2.879	7.4	
88		Carbon Tetrachloride(sim)	3.282	3.345	-1.9	
89		1,1-Dichloroethene(sim)	2.672	2.436	8.8	
90		Trichlorotrifluoroethane(si	2.659	2.620	1.5	
91		Trans-1,2-Dichloroethene(si	2.265	2.202	2.8	
92		1,1-Dichloroethane(sim)	2.772	2.704	2.5	
93		Cis-1,2-Dichloroethene(sim)	2.230	1.933	13.3	
94		Chloroform(sim)	2.906	2.663	8.4	
95	int	1,4-Difluorobenzene(sim)	1.000	1.000	0.0	83
96		1,2-dichloropropane(sim)	0.529	0.524	0.9	
97		Bromodichloromethane(sim)	0.824	0.841	-2.1	
98		Trichloroethene(sim)	0.550	0.484	12.0	
99		1,4-Dioxane(sim)	0.174	0.180	-3.4	
100		cis-1,3-Dichloropropene(sim	0.565	0.574	-1.6	
101		1,1,2-Trichloroethane(sim)	0.413	0.401	2.9	
102		Dibromochloromethane(sim)	0.932	0.940	-0.9	
103		1,2-Dibromoethane(EDB)(sim)	0.706	0.728	-3.1	
104		Tetrachloroethene(sim)	0.644	0.614	4.7	
105	int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	85

Evaluate Continuing Calibration Report

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0116_01.D
Acq On : 16 Jan 2026 9:32 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb cCal; TO1517K
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 10:16:40 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev Area%
106	Bromoform(sim)	1.823	1.859	-2.0
107	m,p-Xylene(sim)	2.205	2.228	-1.0
108	1,1,2,2-Tetrachloroethane(s	1.801	1.886	-4.7
109	Benzyl chloride(sim)	2.152	2.323	-7.9
110	1,3-Dichlorobenzene(sim)	2.262	2.306	-1.9
111	1,4-Dichlorobenzene(sim)	2.028	1.964	3.2
112	sec-Butylbenzene(sim)	2.839	2.964	-4.4
113	4-Isopropyltoluene(sim)	3.807	3.798	0.2
114	1,2-Dichlorobenzene(sim)	2.119	2.216	-4.6
115	n-Butylbenzene(sim)	3.105	3.334	-7.4
116	1,2,4-Trichlorobenzene(sim)	1.360	1.403	-3.2
118	Hexachlorobutadiene(sim)	1.798	1.643	8.6

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
Laboratory Warning Limits Out = 0

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0116_01.D
Acq On : 16 Jan 2026 9:32 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb cCal; TO1517K
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 10:16:40 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.217	130	94114	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.403	114	331006	10.000	ng		0.00
53) Chlorobenzene-d5	10.902	82	165806	10.000	ng	#	0.00
80) Bromochloromethane(sim)	7.220	130	98147	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.403	114	331006	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.902	82	165806	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	242999	10.910	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.10%				
Target Compounds							Qvalue
2) Propylene	3.785	41	18595	1.059	ppbv		97
3) Dichlorodifluoromethane	3.850	85	35810	0.986	ppbv#		95
4) Chloromethane	3.996	50	23111	1.112	ppbv		100
5) 1,2-Dichlorotetrafluor...	4.093	85	31818	1.022	ppbv		95
6) Vinyl Chloride	4.199	62	14505	1.061	ppbv		97
7) 1,3-Butadiene	4.312	54	15513	1.084	ppbv#		88
8) Bromomethane	4.548	94	10213	1.019	ppbv#		96
9) Chloroethane	4.686	64	5847	1.097	ppbv		88
11) Ethanol	4.767	45	8533	1.227	ppbv		90
12) Acetone	5.140	43	37111	1.153	ppbv		92
13) Trichlorofluoromethane	5.269	101	36534	1.022	ppbv		100
14) Isopropylalcohol	5.311	45	34993	1.018	ppbv#		90
15) Acrylonitrile	5.477	53	10943	1.045	ppbv		95
16) 1,1-Dichloroethene	5.725	61	23905	1.003	ppbv		92
17) Methylene Chloride	5.803	49	28799	1.082	ppbv#		77
20) Carbon Disulfide	6.029	76	27782	1.060	ppbv		99
21) Trichlorotrifluoroethane	5.981	101	25264	1.078	ppbv		97
22) Trans-1,2-Dichloroethene	6.438	61	21614	1.032	ppbv#		90
23) 1,1-Dichloroethane	6.568	63	25020	1.052	ppbv		95
24) Methyl tert-butyl ethe...	6.601	73	23075	0.898	ppbv#		69
25) Methyl Ethyl Ketone	6.820	43	44443	1.076	ppbv#		90
26) Cis-1,2-Dichloroethene	7.103	61	18971	0.927	ppbv		92
27) Hexane	7.225	57	22535	0.949	ppbv#		68
28) Chloroform	7.290	83	24923	1.044	ppbv		91
29) Ethyl acetate	7.217	61	4732	1.023	ppbv#		70
30) Tetrahydrofuran	7.558	42	20685	1.022	ppbv#		86
31) 1,2-Dichloroethane	7.760	62	22990	1.025	ppbv		93
32) 1,1,1-Trichloroethane	7.922	97	26869	0.994	ppbv		94
33) Benzene	8.213	78	28259	1.024	ppbv#		89
34) Carbon Tetrachloride	8.308	117	33911	1.067	ppbv		95
35) Cyclohexane	8.386	84	9777	0.912	ppbv#		50
37) 1,2-dichloropropane	8.706	63	16330	1.085	ppbv#		83
38) Bromodichloromethane	8.818	83	27850	1.059	ppbv		98
39) Trichloroethene	8.836	130	15413	1.017	ppbv		95
40) 2,2,4-trimethylpentane	8.844	57	78265	0.991	ppbv		94
41) 1,4-Dioxane	8.836	88	5945	0.982	ppbv#		79
43) Heptane	8.974	43	39905	1.047	ppbv#		85
44) cis-1,3-Dichloropropene	9.333	75	18125	0.996	ppbv		96
45) 4-Methyl-2-pentanone(M...	9.333	43	52632	1.041	ppbv#		90
46) trans-1,3-Dichloropropene	9.629	75	13974	0.911	ppbv		96
47) 1,1,2-Trichloroethane	9.742	97	13283	1.022	ppbv		96
48) Toluene	9.903	91	34117	0.928	ppbv#		95

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0116_01.D
Acq On : 16 Jan 2026 9:32 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb cCal; TO1517K
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 10:16:40 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	10.157	129	30864	1.015	ppbv	98
50)	2-Hexanone(MBK)	10.023	43	48465	1.017	ppbv#	90
51)	1,2-Dibromoethane(EDB)	10.305	107	24166	1.079	ppbv	97
52)	Tetrachloroethene	10.551	166	20409	1.009	ppbv	99
54)	1,1,1,2-Tetrachloroethane	10.918	131	20680	1.064	ppbv	95
55)	Chlorobenzene	10.933	112	31092	1.067	ppbv	93
56)	Ethylbenzene	11.122	91	44774	0.996	ppbv	97
57)	m,p-Xylene	11.221	91	73887	2.101	ppbv	97
58)	Bromoform	11.297	173	31214	1.052	ppbv	98
59)	Styrene	11.426	104	24114	0.943	ppbv#	91
60)	1,1,2,2-Tetrachloroethane	11.486	83	30344	1.161	ppbv	97
61)	o-Xylene	11.486	91	37172	1.002	ppbv	98
65)	Isopropylbenzene	11.812	105	57098	1.019	ppbv	97
66)	4-Ethyltoluene	12.184	105	56294	1.043	ppbv	98
67)	1,3,5-Trimethylbenzene	12.222	105	43873	0.942	ppbv#	88
68)	1,2,4-Trimethylbenzene	12.473	105	45127	0.958	ppbv	97
70)	Benzyl chloride	12.579	91	38521	0.973	ppbv	96
71)	1,3-Dichlorobenzene	12.594	146	37248	1.083	ppbv	97
72)	1,4-Dichlorobenzene	12.632	146	32563	0.967	ppbv	98
73)	sec-Butylbenzene	12.640	105	67157	0.969	ppbv	99
74)	4-Isopropyltoluene	12.731	119	62978	0.962	ppbv	99
75)	1,2-Dichlorobenzene	12.853	146	33529	1.037	ppbv	98
76)	n-Butylbenzene	12.997	91	55285	0.987	ppbv	97
77)	1,2,4-Trichlorobenzene	14.022	180	21619	0.991	ppbv	97
78)	Naphthalene	14.121	128	42564	0.899	ppbv#	95
79)	Hexachlorobutadiene	14.371	225	26294	1.129	ppbv	98
81]	1,2-Dichlorotetrafluor...	4.093	85	31818	0.938	ppbv	95
82]	Vinyl Chloride(sim)	4.194	62	15102	0.959	ppbv	100
83]	Bromomethane(sim)	4.548	94	10213	0.921	ppbv#	97
84]	Trichlorofluoromethane...	5.271	101	37709	0.967	ppbv#	99
85]	1,2-Dichloroethane(sim)	7.760	62	22990	0.991	ppbv	93
86]	1,1,1-Trichloroethane(...	7.925	97	29026	0.964	ppbv#	96
87]	Benzene(sim)	8.213	78	28259	0.926	ppbv#	89
88]	Carbon Tetrachloride(sim)	8.311	117	32828	1.019	ppbv	100
89]	1,1-Dichloroethene(sim)	5.725	61	23905	0.912	ppbv	92
90]	Trichlorotrifluoroetha...	5.978	101	25711	0.985	ppbv#	98
91]	Trans-1,2-Dichloroethe...	6.438	61	21614	0.972	ppbv#	90
92]	1,1-Dichloroethane(sim)	6.571	63	26541	0.975	ppbv	98
93]	Cis-1,2-Dichloroethene...	7.103	61	18971	0.867	ppbv#	92
94]	Chloroform(sim)	7.293	83	26134	0.916	ppbv#	89
96]	1,2-dichloropropane(sim)	8.700	63	17337	0.989	ppbv#	77
97]	Bromodichloromethane(sim)	8.818	83	27850	1.021	ppbv	98
98]	Trichloroethene(sim)	8.839	130	16005	0.879	ppbv	95
99]	1,4-Dioxane(sim)	8.836	88	5945	1.031	ppbv	81
100]	cis-1,3-Dichloropropen...	9.336	75	19002	1.016	ppbv	98
101]	1,1,2-Trichloroethane(...	9.742	97	13283	0.972	ppbv	96
102]	Dibromochloromethane(sim)	10.160	129	31125	1.009	ppbv	100
103]	1,2-Dibromoethane(EDB)...	10.305	107	24082	1.030	ppbv	96
104]	Tetrachloroethene(sim)	10.554	166	20319	0.953	ppbv	96
106]	Bromoform(sim)	11.300	173	30831	1.020	ppbv	99
107]	m,p-Xylene(sim)	11.221	91	73887	2.021	ppbv	96
108]	1,1,2,2-Tetrachloroeth...	11.482	83	31264	1.047	ppbv	95
109]	Benzyl chloride(sim)	12.579	91	38521	1.079	ppbv	96
110]	1,3-Dichlorobenzene(sim)	12.590	146	38242	1.019	ppbv	98
111]	1,4-Dichlorobenzene(sim)	12.632	146	32563	0.969	ppbv	98

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0116_01.D
Acq On : 16 Jan 2026 9:32 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb cCal; TO1517K
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 10:16:40 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

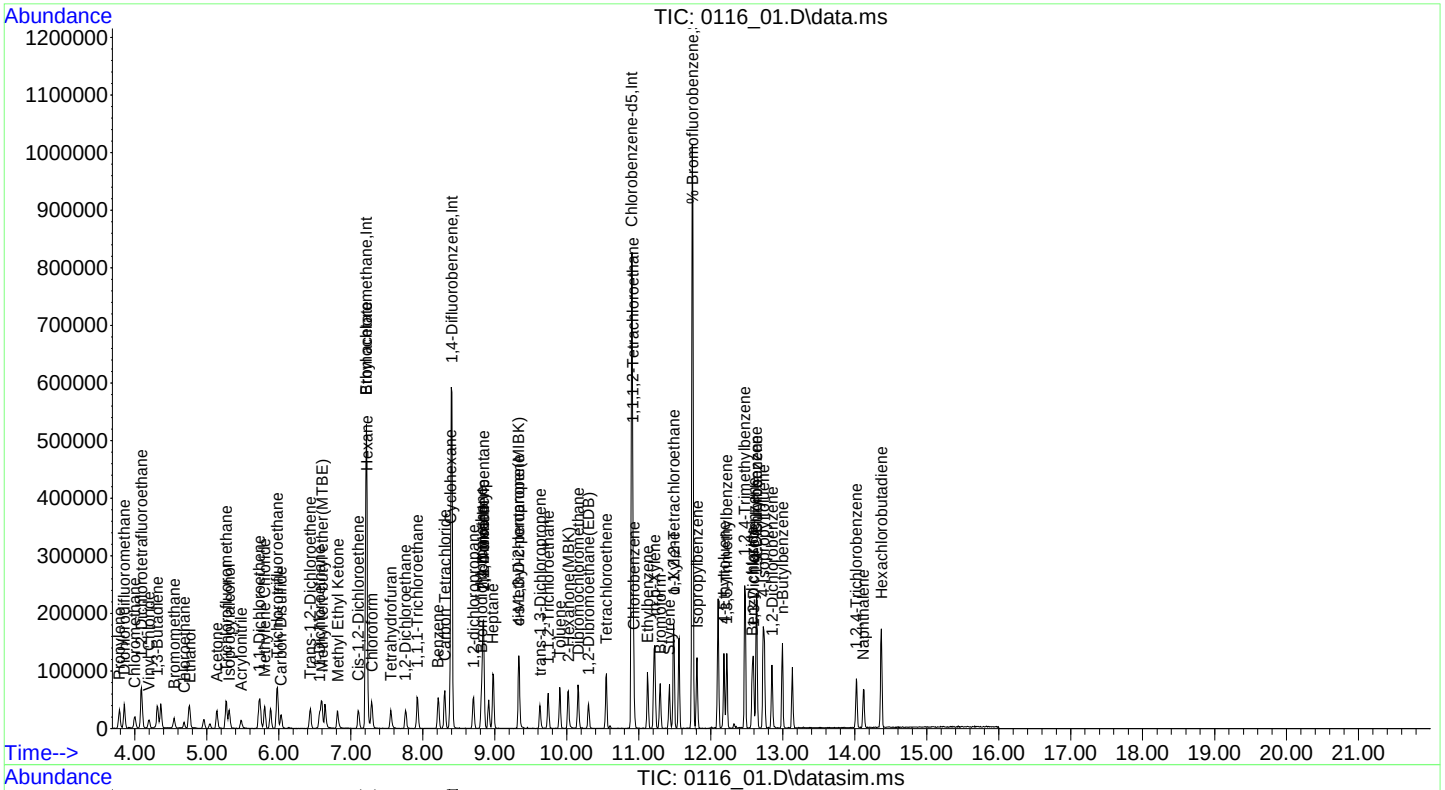
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	49148	1.044	ppbv	99
113] 4-Isopropyltoluene(sim)	12.731	119	62978	0.998	ppbv	99
114] 1,2-Dichlorobenzene(sim)	12.855	146	36747	1.046	ppbv	98
115] n-Butylbenzene(sim)	12.997	91	55285	1.074	ppbv	97
116] 1,2,4-Trichlorobenzene...	14.025	180	23256	1.031	ppbv	98
118] Hexachlorobutadiene(sim)	14.374	225	27248	0.914	ppbv	99

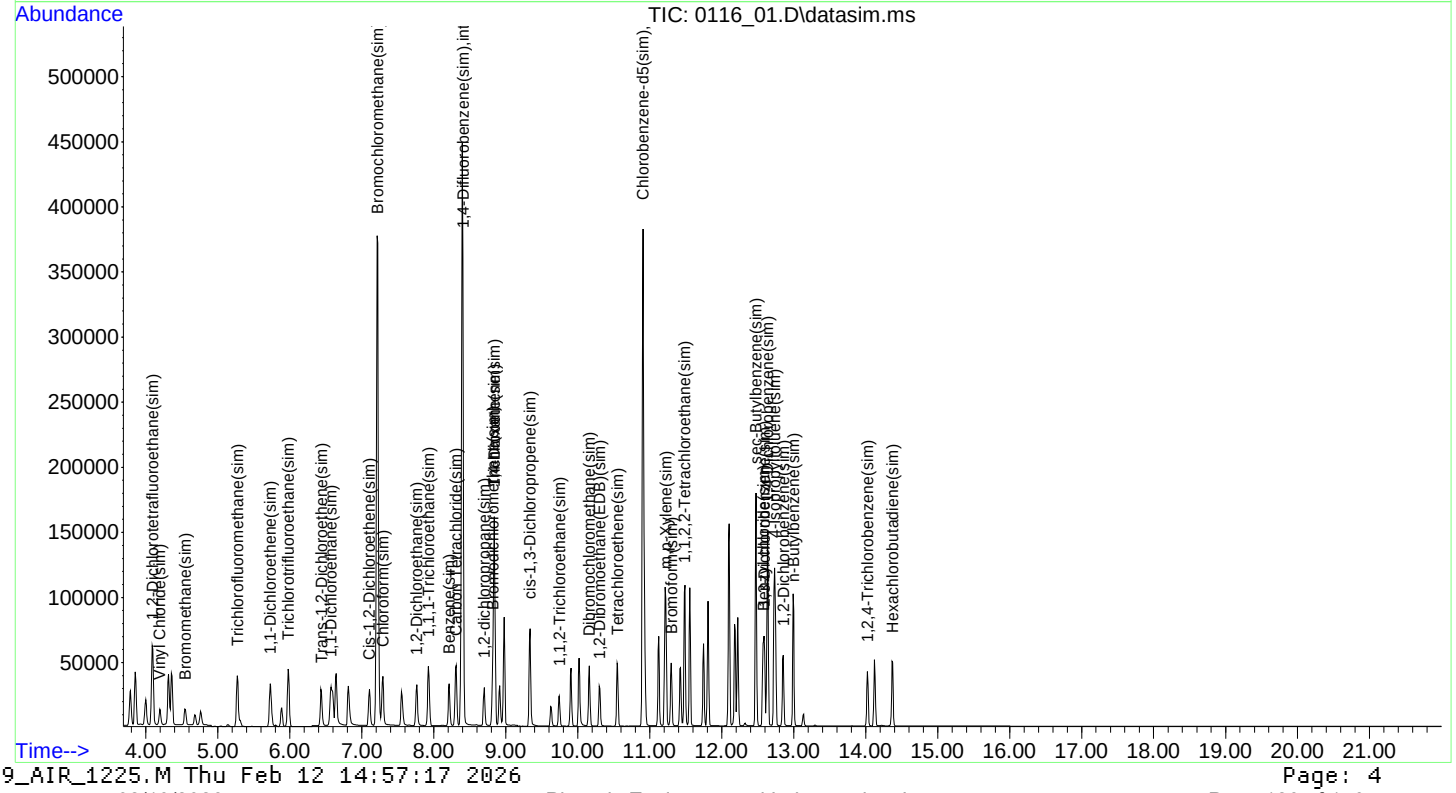
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0116_01.D
Acq On : 16 Jan 2026 9:32 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb cCal; TO1517K
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 10:16:40 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration





1

AIR ANALYSIS DATA SHEET

CLIENT ID: CV12868 LCS

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCV13321 Lab Sample ID: CV12868 LCS

Canister: LCS Lab File ID: 0115_04.D

Instrument: CHEM39 Column: ΓX-1 ; #10157 Date Received: 01/15/26

Purge Volume 200 (cc) Date Analyzed: 01/15/26

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	10.9		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	10.6		0.202	0.202	r
74-87-3	Chloromethane	11.1		0.485	0.485	r
76-14-2	1,2-Dichlorotetrafluoroethane	10.7		0.143	0.143	r
75-01-4	Vinyl Chloride	11.3		0.078	0.078	r
106-99-0	1,3-Butadiene	11.4		0.452	0.452	r
74-83-9	Bromomethane	10.4		0.258	0.258	r
75-00-3	Chloroethane	10.7		0.379	0.379	r
64-17-5	Ethanol	11.9		0.531	0.531	r
67-64-1	Acetone	10.6		0.421	0.421	r
75-69-4	Trichlorofluoromethane	10.1		0.178	0.178	r
67-63-0	Isopropylalcohol	11.2		0.407	0.407	r
107-13-1	Acrylonitrile	14.6		0.461	0.461	r
75-35-4	1,1-Dichloroethene	10.8		0.051	0.051	r
75-09-2	Methylene Chloride	10.4		0.863	0.863	r
75-15-0	Carbon Disulfide	11.0		0.321	0.321	r
76-13-1	Trichlorotrifluoroethane	10.7		0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene	10.9		0.252	0.252	r
75-34-3	1,1-Dichloroethane	11.0		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	11.3		0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	11.8		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	10.6		0.051	0.051	r
110-54-3	Hexane	11.8		0.284	0.284	r
67-66-3	Chloroform	10.5		0.205	0.205	r
141-78-6	Ethyl acetate	12.6		0.278	0.278	r
109-99-9	Tetrahydrofuran	11.3		0.339	0.339	r
107-06-2	1,2-Dichloroethane	10.6		0.247	0.247	r
71-55-6	1,1,1-Trichloroethane	10.4		0.183	0.183	r
71-43-2	Benzene	10.9		0.313	0.313	r
56-23-5	Carbon Tetrachloride	10.4		0.032	0.032	r
110-82-7	Cyclohexane	10.3		0.291	0.291	r
78-87-5	1,2-dichloropropane	11.0		0.217	0.217	r
75-27-4	Bromodichloromethane	10.2		0.149	0.149	r
79-01-6	Trichloroethene	10.4		0.037	0.037	r
540-84-1	2,2,4-trimethylpentane	11.1		0.215	0.215	r
123-91-1	1,4-Dioxane	11.1		0.278	0.278	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

AIR ANALYSIS DATA SHEET

CLIENT ID: CV12868 LCS

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCV13321 Lab Sample ID: CV12868 LCS

Canister: LCS Lab File ID: 0115_04.D

Instrument: CHEM39 Column: ΓX-1 ; #10157 Date Received: 01/15/26

Purge Volume 200 (cc) Date Analyzed: 01/15/26

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
142-82-5	Heptane	11.8		0.244	0.244	r
10061-01-5	cis-1,3-Dichloropropene	11.2		0.220	0.220	r
108-10-1	4-Methyl-2-pentanone(MIBK)	11.4		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	10.8		0.220	0.220	r
79-00-5	1,1,2-Trichloroethane	10.4		0.183	0.183	r
108-88-3	Toluene	10.6		0.266	0.266	r
124-48-1	Dibromochloromethane	10.5		0.117	0.117	r
591-78-6	2-Hexanone(MBK)	11.7		0.244	0.244	r
106-93-4	1,2-Dibromoethane(EDB)	10.7		0.130	0.130	r
127-18-4	Tetrachloroethene	10.2		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	9.95		0.146	0.146	r
108-90-7	Chlorobenzene	10.4		0.217	0.217	r
100-41-4	Ethylbenzene	11.0		0.230	0.230	r
179601-23-1	m,p-Xylene	23.4		0.230	0.230	r
75-25-2	Bromoform	10.4		0.097	0.097	r
100-42-5	Styrene	11.4		0.235	0.235	r
79-34-5	1,1,2,2-Tetrachloroethane	11.5		0.146	0.146	r
95-47-6	o-Xylene	11.7		0.230	0.230	r
98-82-8	Isopropylbenzene	10.4		0.204	0.204	r
622-96-8	4-Ethyltoluene	11.7		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	11.4		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	11.8		0.204	0.204	r
100-44-7	Benzyl chloride	11.8		0.193	0.193	r
541-73-1	1,3-Dichlorobenzene	11.2		0.166	0.166	r
106-46-7	1,4-Dichlorobenzene	10.8		0.166	0.166	r
135-98-8	sec-Butylbenzene	11.3		0.182	0.182	r
99-87-6	4-Isopropyltoluene	10.9		0.182	0.182	r
95-50-1	1,2-Dichlorobenzene	11.1		0.166	0.166	r
104-51-8	n-Butylbenzene	11.4		0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene	10.4		0.135	0.135	r
91-20-3	Naphthalene	11.2		0.200	0.200	r
87-68-3	Hexachlorobutadiene	10.5		0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_04.D
Acq On : 15 Jan 2026 4:24 pm
Operator :
Client ID : CV12868 LCS
Lab ID : CV12868 LCS
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 07:28:56 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.209	130	104859	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.395	114	384193	10.000	ng		0.00
53) Chlorobenzene-d5	10.903	82	201504	10.000	ng		0.00
80) Bromochloromethane(sim)	7.212	130	108597	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.395	114	384193	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.903	82	201504	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	268517	9.920	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.20%				
Target Compounds							Qvalue
2) Propylene	3.785	41	212845	10.875	ppbv		99
3) Dichlorodifluoromethane	3.850	85	430130	10.626	ppbv#		95
4) Chloromethane	3.996	50	255746	11.048	ppbv		100
5) 1,2-Dichlorotetrafluor...	4.085	85	371601	10.713	ppbv		96
6) Vinyl Chloride	4.191	62	171682	11.267	ppbv		96
7) 1,3-Butadiene	4.313	54	180941	11.346	ppbv		94
8) Bromomethane	4.540	94	115999	10.387	ppbv		97
9) Chloroethane	4.678	64	63793	10.739	ppbv		83
11) Ethanol	4.751	45	92205	11.899	ppbv		95
12) Acetone	5.128	43	378105	10.546	ppbv		92
13) Trichlorofluoromethane	5.262	101	402488	10.103	ppbv		99
14) Isopropylalcohol	5.293	45	429798	11.219	ppbv		99
15) Acrylonitrile	5.465	53	170318	14.595	ppbv		97
16) 1,1-Dichloroethene	5.719	61	286802	10.804	ppbv		93
17) Methylene Chloride	5.797	49	308027	10.392	ppbv#		80
20) Carbon Disulfide	6.023	76	320401	10.972	ppbv		100
21) Trichlorotrifluoroethane	5.975	101	277925	10.646	ppbv		98
22) Trans-1,2-Dichloroethene	6.430	61	254755	10.920	ppbv		93
23) 1,1-Dichloroethane	6.560	63	290331	10.956	ppbv		95
24) Methyl tert-butyl ethe...	6.584	73	324316	11.334	ppbv#		83
25) Methyl Ethyl Ketone	6.795	43	540999	11.752	ppbv#		91
26) Cis-1,2-Dichloroethene	7.095	61	242501	10.634	ppbv		90
27) Hexane	7.217	57	311391	11.766	ppbv#		87
28) Chloroform	7.282	83	279770	10.523	ppbv		92
29) Ethyl acetate	7.209	61	64785	12.565	ppbv#		81
30) Tetrahydrofuran	7.541	42	255412	11.331	ppbv#		87
31) 1,2-Dichloroethane	7.752	62	265973	10.645	ppbv		94
32) 1,1,1-Trichloroethane	7.923	97	311734	10.355	ppbv		95
33) Benzene	8.204	78	336147	10.934	ppbv#		90
34) Carbon Tetrachloride	8.299	117	368932	10.419	ppbv		100
35) Cyclohexane	8.377	84	123518	10.343	ppbv#		69
37) 1,2-dichloropropane	8.697	63	191435	10.961	ppbv#		84
38) Bromodichloromethane	8.810	83	311154	10.194	ppbv		95
39) Trichloroethene	8.836	130	183425	10.426	ppbv		94
40) 2,2,4-trimethylpentane	8.836	57	1018055	11.106	ppbv		95
41) 1,4-Dioxane	8.818	88	77837	11.073	ppbv		83
43) Heptane	8.974	43	520577	11.767	ppbv#		86
44) cis-1,3-Dichloropropene	9.326	75	236941	11.221	ppbv		96
45) 4-Methyl-2-pentanone(M...	9.326	43	666885	11.369	ppbv#		92
46) trans-1,3-Dichloropropene	9.622	75	191899	10.780	ppbv		98
47) 1,1,2-Trichloroethane	9.735	97	156330	10.363	ppbv		95
48) Toluene	9.896	91	453847	10.637	ppbv		98

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_04.D
Acq On : 15 Jan 2026 4:24 pm
Operator :
Client ID : CV12868 LCS
Lab ID : CV12868 LCS
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 07:28:56 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.157	129	370852	10.512	ppbv	99
50) 2-Hexanone(MBK)	10.009	43	645703	11.669	ppbv	95
51) 1,2-Dibromoethane(EDB)	10.298	107	278318	10.707	ppbv	98
52) Tetrachloroethene	10.544	166	238741	10.170	ppbv	97
54) 1,1,1,2-Tetrachloroethane	10.910	131	235155	9.951	ppbv	98
55) Chlorobenzene	10.925	112	367083	10.364	ppbv	85
56) Ethylbenzene	11.122	91	599583	10.969	ppbv	97
57) m,p-Xylene	11.213	91	1000863	23.415	ppbv	97
58) Bromoform	11.297	173	373897	10.368	ppbv	99
59) Styrene	11.418	104	354947	11.421	ppbv#	89
60) 1,1,2,2-Tetrachloroethane	11.479	83	365046	11.496	ppbv	94
61) o-Xylene	11.486	91	528528	11.720	ppbv	97
65) Isopropylbenzene	11.805	105	706172	10.366	ppbv	97
66) 4-Ethyltoluene	12.177	105	767725	11.709	ppbv	96
67) 1,3,5-Trimethylbenzene	12.222	105	646037	11.409	ppbv	96
68) 1,2,4-Trimethylbenzene	12.473	105	676551	11.815	ppbv	95
70) Benzyl chloride	12.572	91	566463	11.774	ppbv	98
71) 1,3-Dichlorobenzene	12.587	146	466936	11.167	ppbv	97
72) 1,4-Dichlorobenzene	12.632	146	442429	10.807	ppbv	100
73) sec-Butylbenzene	12.632	105	948683	11.265	ppbv	98
74) 4-Isopropyltoluene	12.724	119	868648	10.914	ppbv	98
75) 1,2-Dichlorobenzene	12.845	146	435761	11.089	ppbv	99
76) n-Butylbenzene	12.989	91	772644	11.349	ppbv	97
77) 1,2,4-Trichlorobenzene	14.022	180	275007	10.372	ppbv	97
78) Naphthalene	14.121	128	645980	11.232	ppbv#	98
79) Hexachlorobutadiene	14.364	225	297806	10.517	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.085	85	371586	9.900	ppbv	96
82] Vinyl Chloride(sim)	4.194	62	178075	10.225	ppbv	99
83] Bromomethane(sim)	4.540	94	115999	9.452	ppbv	97
84] Trichlorofluoromethane...	5.265	101	416113	9.643	ppbv#	100
85] 1,2-Dichloroethane(sim)	7.752	62	265973	10.358	ppbv	94
86] 1,1,1-Trichloroethane(...	7.925	97	330877	9.929	ppbv#	97
87] Benzene(sim)	8.204	78	336147	9.956	ppbv#	90
88] Carbon Tetrachloride(sim)	8.302	117	370690	10.402	ppbv	100
89] 1,1-Dichloroethene(sim)	5.719	61	286802	9.884	ppbv	93
90] Trichlorotrifluoroetha...	5.972	101	288217	9.981	ppbv#	98
91] Trans-1,2-Dichloroethe...	6.430	61	254755	10.358	ppbv	93
92] 1,1-Dichloroethane(sim)	6.563	63	307436	10.212	ppbv	99
93] Cis-1,2-Dichloroethene...	7.095	61	242501	10.014	ppbv	90
94] Chloroform(sim)	7.285	83	291944	9.252	ppbv#	90
96] 1,2-dichloropropane(sim)	8.692	63	203275	9.993	ppbv#	82
97] Bromodichloromethane(sim)	8.810	83	311154	9.832	ppbv	96
98] Trichloroethene(sim)	8.839	130	190567	9.021	ppbv	96
99] 1,4-Dioxane(sim)	8.818	88	77837	11.629	ppbv	83
100] cis-1,3-Dichloropropen...	9.329	75	252204	11.618	ppbv	99
101] 1,1,2-Trichloroethane(...	9.735	97	156248	9.853	ppbv	96
102] Dibromochloromethane(sim)	10.153	129	372272	10.397	ppbv	100
103] 1,2-Dibromoethane(EDB)...	10.298	107	278318	10.259	ppbv	98
104] Tetrachloroethene(sim)	10.547	166	244141	9.861	ppbv	96
106] Bromoform(sim)	11.292	173	372769	10.147	ppbv	100
107] m,p-Xylene(sim)	11.213	91	1002921	22.571	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.482	83	380514	10.486	ppbv	95
109] Benzyl chloride(sim)	12.572	91	566463	13.061	ppbv	98
110] 1,3-Dichlorobenzene(sim)	12.590	146	514651	11.289	ppbv	97
111] 1,4-Dichlorobenzene(sim)	12.632	146	442699	10.835	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_04.D
Acq On : 15 Jan 2026 4:24 pm
Operator :
Client ID : CV12868 LCS
Lab ID : CV12868 LCS
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 07:28:56 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

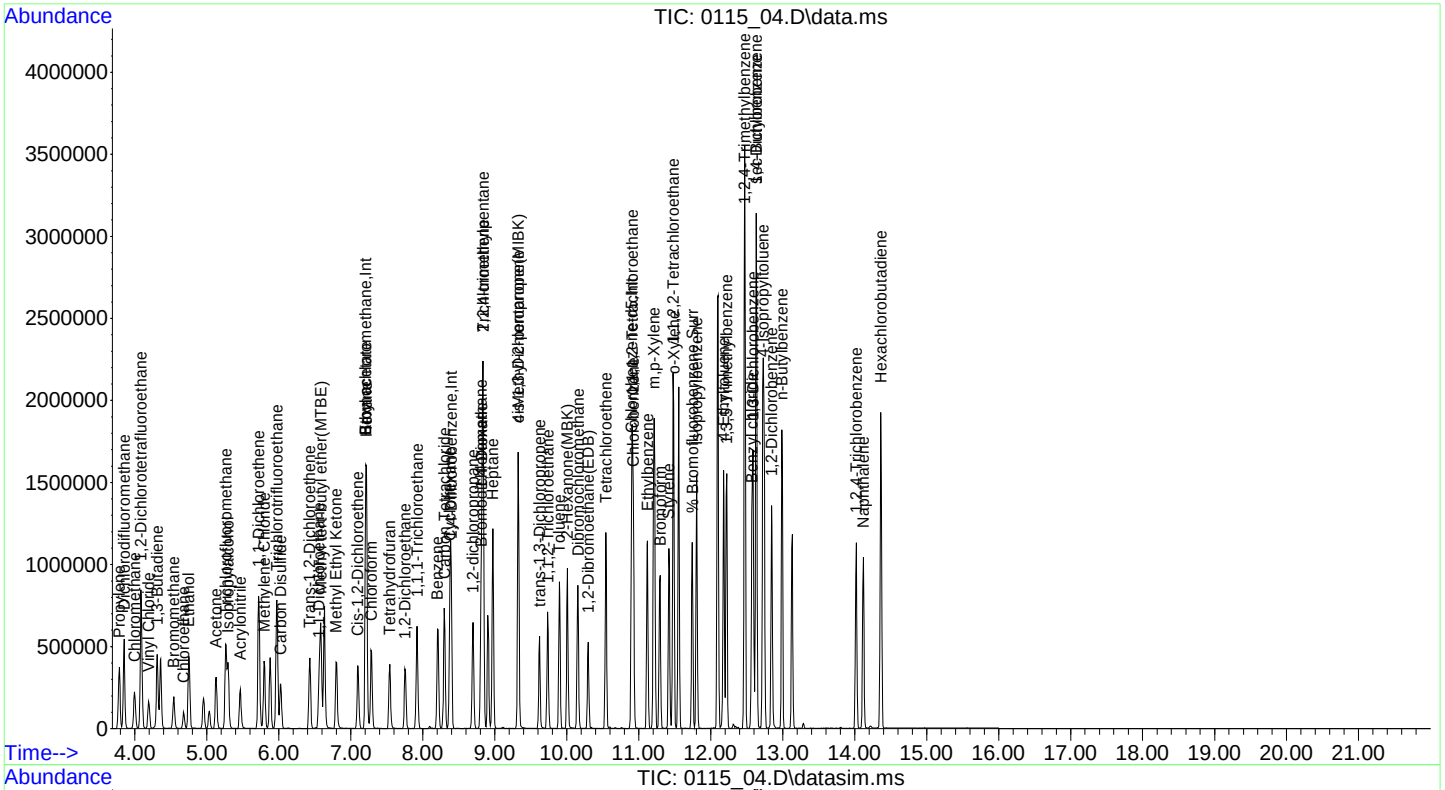
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.476	105	733071	12.814	ppbv	97
113] 4-Isopropyltoluene(sim)	12.724	119	868648	11.322	ppbv	98
114] 1,2-Dichlorobenzene(sim)	12.848	146	471247	11.036	ppbv	99
115] n-Butylbenzene(sim)	12.989	91	772644	12.348	ppbv	97
116] 1,2,4-Trichlorobenzene...	14.025	180	306362	11.175	ppbv	98
118] Hexachlorobutadiene(sim)	14.367	225	313838	8.661	ppbv	99

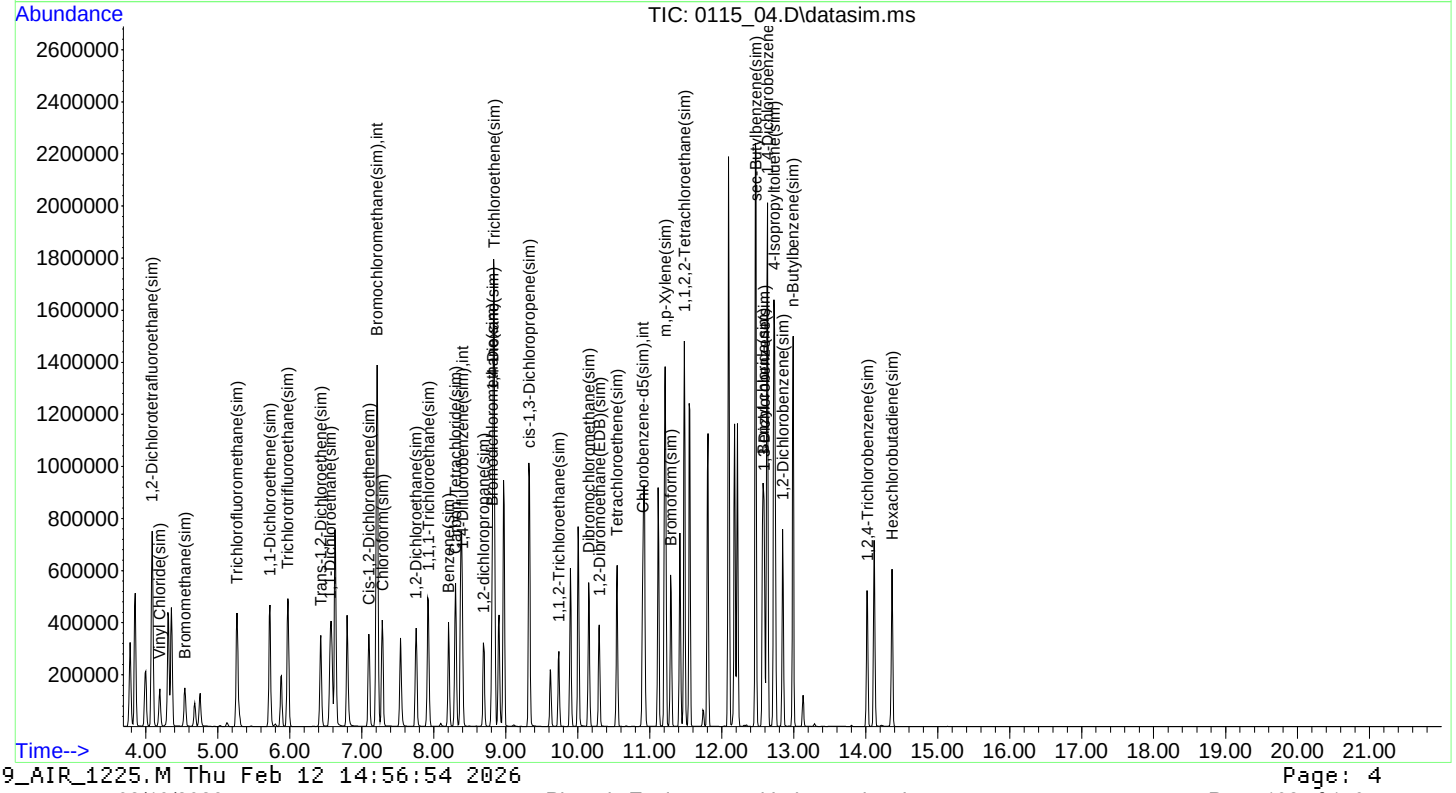
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_04.D
Acq On : 15 Jan 2026 4:24 pm
Operator :
Client ID : CV12868 LCS
Lab ID : CV12868 LCS
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 07:28:56 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration





1

AIR ANALYSIS DATA SHEET

CLIENT ID: CV12868 QC 5X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCV13321 Lab Sample ID: CV12868 5X

Canister: 28576 Lab File ID: 0115_07.D

Instrument: CHEM39 Column: ГX-1 ; #10157 Date Received: 01/15/26

Purge Volume 200 (cc) Date Analyzed: 01/15/26

Matrix: AIR Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	2.50	U	2.50	2.50	r
75-71-8	Dichlorodifluoromethane	2.50	U	2.50	2.50	r
74-87-3	Chloromethane	2.50	U	2.50	2.50	r
106-99-0	1,3-Butadiene	2.50	U	2.50	2.50	r
75-00-3	Chloroethane	2.50	U	2.50	2.50	r
64-17-5	Ethanol	119	S	10.0	10.0	r
67-64-1	Acetone	10.0	U	10.0	10.0	r
67-63-0	Isopropylalcohol	10.0	U	10.0	10.0	r
107-13-1	Acrylonitrile	2.50	U	2.50	2.50	r
75-09-2	Methylene Chloride	4.50	U	4.50	4.50	r
75-15-0	Carbon Disulfide	2.50	U	2.50	2.50	r
1634-04-4	Methyl tert-butyl ether(MTBE)	2.50	U	2.50	2.50	r
78-93-3	Methyl Ethyl Ketone	2.50	U	2.50	2.50	r
110-54-3	Hexane	2.50	U	2.50	2.50	r
141-78-6	Ethyl acetate	2.50	U	2.50	2.50	r
109-99-9	Tetrahydrofuran	2.50	U	2.50	2.50	r
110-82-7	Cyclohexane	2.50	U	2.50	2.50	r
540-84-1	2,2,4-trimethylpentane	1.07	U	1.07	1.07	
142-82-5	Heptane	2.50	U	2.50	2.50	r
108-10-1	4-Methyl-2-pentanone(MIBK)	2.50	U	2.50	2.50	r
10061-02-6	trans-1,3-Dichloropropene	2.50	U	2.50	2.50	r
108-88-3	Toluene	2.50	U	2.50	2.50	r
591-78-6	2-Hexanone(MBK)	2.50	U	2.50	2.50	r
630-20-6	1,1,1,2-Tetrachloroethane	2.50	U	2.50	2.50	r
108-90-7	Chlorobenzene	2.50	U	2.50	2.50	r
100-41-4	Ethylbenzene	2.50	U	2.50	2.50	r
100-42-5	Styrene	2.50	U	2.50	2.50	r
95-47-6	o-Xylene	2.50	U	2.50	2.50	r
98-82-8	Isopropylbenzene	2.50	U	2.50	2.50	r
622-96-8	4-Ethyltoluene	2.50	U	2.50	2.50	r
108-67-8	1,3,5-Trimethylbenzene	2.50	U	2.50	2.50	r
95-63-6	1,2,4-Trimethylbenzene	2.50	U	2.50	2.50	r
91-20-3	Naphthalene	2.50	U	2.50	2.50	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	2.50	U	2.50	2.50	r
75-01-4	Vinyl Chloride(sim)	0.500	U	0.500	0.500	r
74-83-9	Bromomethane(sim)	2.50	U	2.50	2.50	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

CLIENT ID

AIR ANALYSIS DATA SHEET

CV12868 QC 5X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCV13321 Lab Sample ID: CV12868 5X

Canister: 28576 Lab File ID: 0115_07.D

Instrument: CHEM39 Column: ГX-1 ; #10157 Date Received: 01/15/26

Purge Volume 200 (cc) Date Analyzed: 01/15/26

Matrix: AIR Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	2.50	U	2.50	2.50	r
107-06-2	1,2-Dichloroethane(sim)	0.050	U	0.050	0.050	r
71-55-6	1,1,1-Trichloroethane(sim)	2.50	U	2.50	2.50	r
71-43-2	Benzene(sim)	2.50	U	2.50	2.50	r
56-23-5	Carbon Tetrachloride(sim)	2.50	U	2.50	2.50	r
75-35-4	1,1-Dichloroethene(sim)	2.50	U	2.50	2.50	r
76-13-1	Trichlorotrifluoroethane(sim)	2.50	U	2.50	2.50	r
156-60-5	Trans-1,2-Dichloroethene(sim)	2.50	U	2.50	2.50	r
75-34-3	1,1-Dichloroethane(sim)	2.50	U	2.50	2.50	r
156-59-2	Cis-1,2-Dichloroethene(sim)	2.50	U	2.50	2.50	r
67-66-3	Chloroform(sim)	2.50	U	2.50	2.50	r
78-87-5	1,2-dichloropropane(sim)	2.50	U	2.50	2.50	r
75-27-4	Bromodichloromethane(sim)	2.50	U	2.50	2.50	r
79-01-6	Trichloroethene(sim)	0.175	U	0.175	0.175	r
123-91-1	1,4-Dioxane(sim)	1.00	U	1.00	1.00	r
10061-01-5	cis-1,3-Dichloropropene(sim)	2.50	U	2.50	2.50	r
79-00-5	1,1,2-Trichloroethane(sim)	2.50	U	2.50	2.50	r
124-48-1	Dibromochloromethane(sim)	2.50	U	2.50	2.50	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	2.50	U	2.50	2.50	r
127-18-4	Tetrachloroethene(sim)	0.500	U	0.500	0.500	r
75-25-2	Bromoform(sim)	2.50	U	2.50	2.50	r
179601-23-1	m,p-Xylene(sim)	5.00	U	5.00	5.00	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	2.50	U	2.50	2.50	r
100-44-7	Benzyl chloride(sim)	2.50	U	2.50	2.50	r
541-73-1	1,3-Dichlorobenzene(sim)	2.50	U	2.50	2.50	r
106-46-7	1,4-Dichlorobenzene(sim)	2.50	U	2.50	2.50	r
135-98-8	sec-Butylbenzene(sim)	2.50	U	2.50	2.50	r
99-87-6	4-Isopropyltoluene(sim)	2.50	U	2.50	2.50	r
95-50-1	1,2-Dichlorobenzene(sim)	1.00	U	1.00	1.00	r
104-51-8	n-Butylbenzene(sim)	2.50	U	2.50	2.50	r
120-82-1	1,2,4-Trichlorobenzene(sim)	2.50	U	2.50	2.50	r
87-68-3	Hexachlorobutadiene(sim)	2.50	U	2.50	2.50	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_07.D
Acq On : 15 Jan 2026 6:15 pm
Operator :
Client ID : CV12868 QC 5X
Lab ID : CV12868 QC 5X
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 07:31:10 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

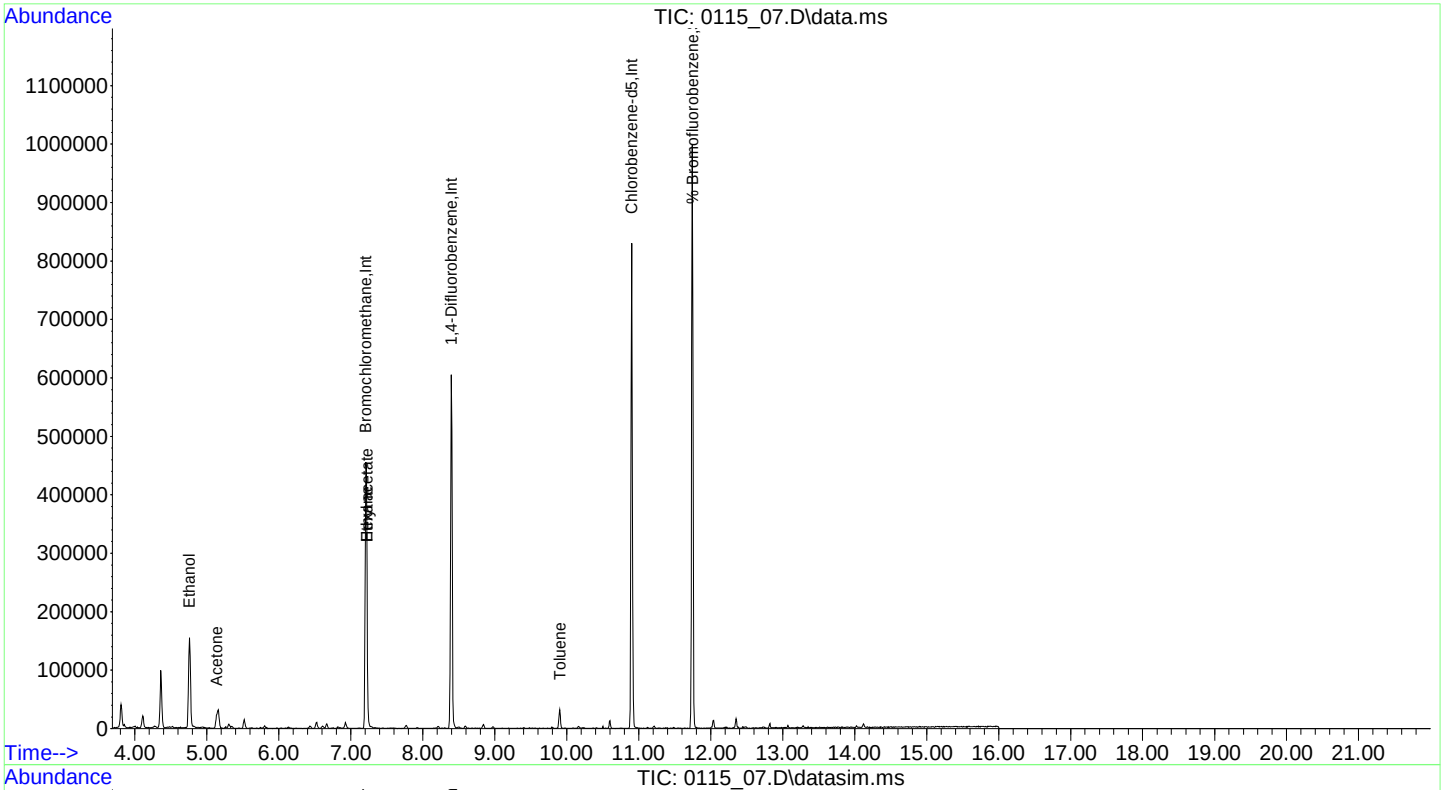
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.209	130	97367	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.395	114	335490	10.000	ng		0.00
53) Chlorobenzene-d5	10.903	82	167081	10.000	ng		0.00
80) Bromochloromethane(sim)	7.212	130	100919	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.395	114	335490	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.903	82	167099	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	226366	10.086	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.90%				
Target Compounds							Qvalue
11) Ethanol	4.759	45	171868	23.887	ppbv#		94
12) Acetone	5.134	43	35585	1.069	ppbv#		82
27) Hexane	7.225	57	9418	0.383	ppbv#		70
29) Ethyl acetate	7.225	61	1815	0.379	ppbv#		75
48) Toluene	9.904	91	17135	0.460	ppbv#		92

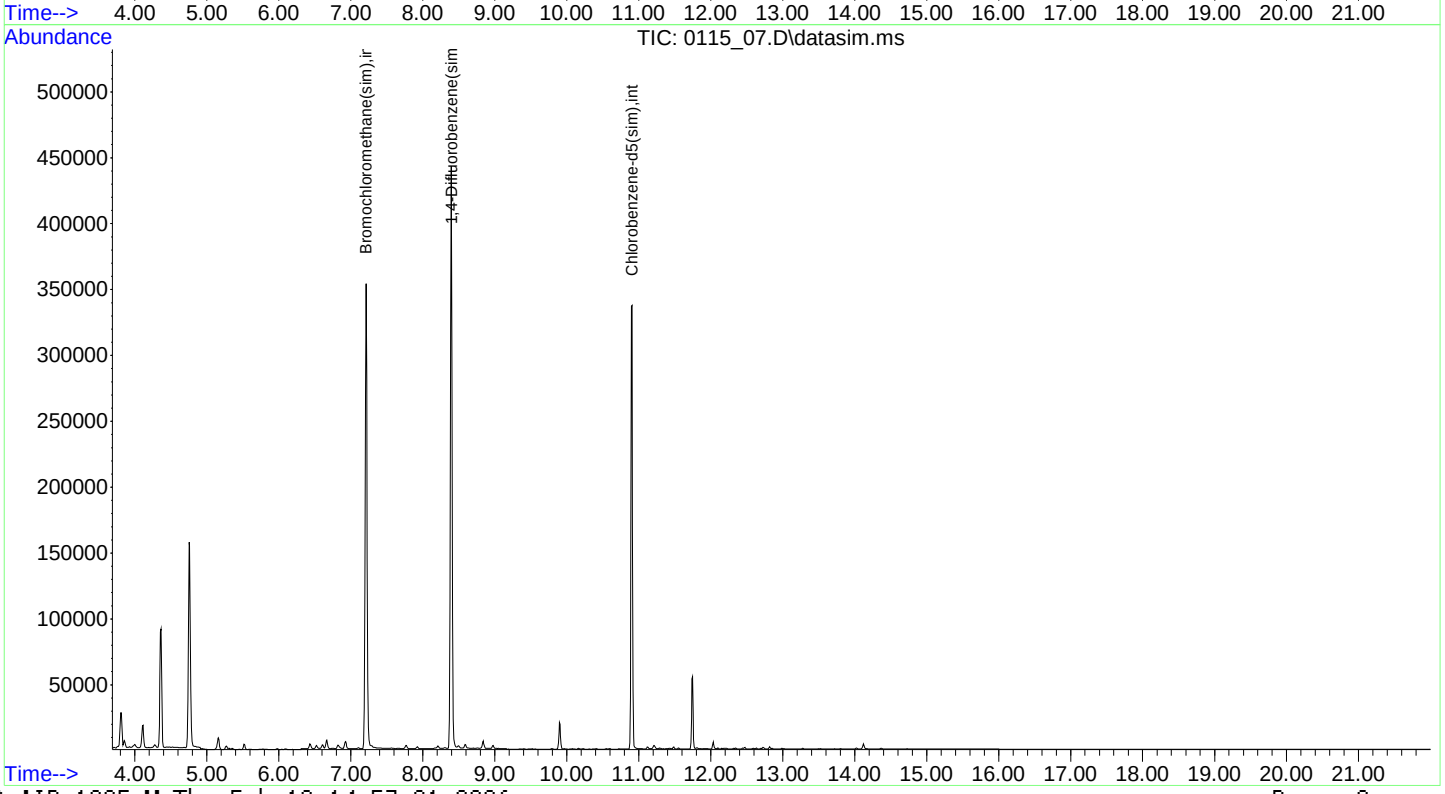
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

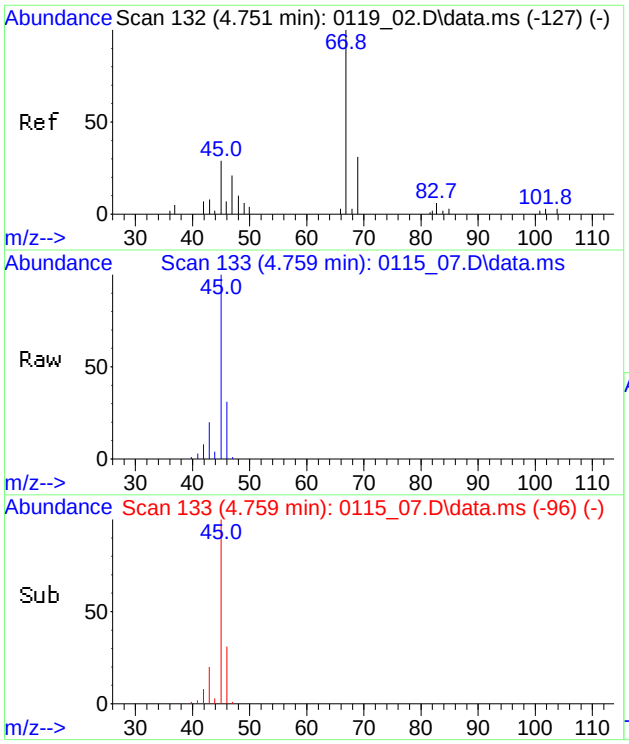
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_07.D
Acq On : 15 Jan 2026 6:15 pm
Operator :
Client ID : CV12868 QC 5X
Lab ID : CV12868 QC 5X
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 07:31:10 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration



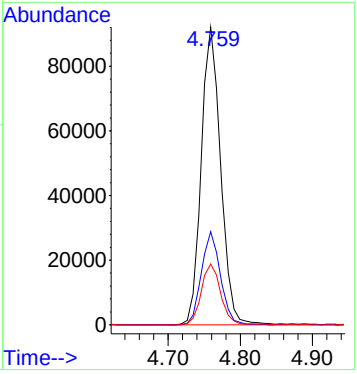


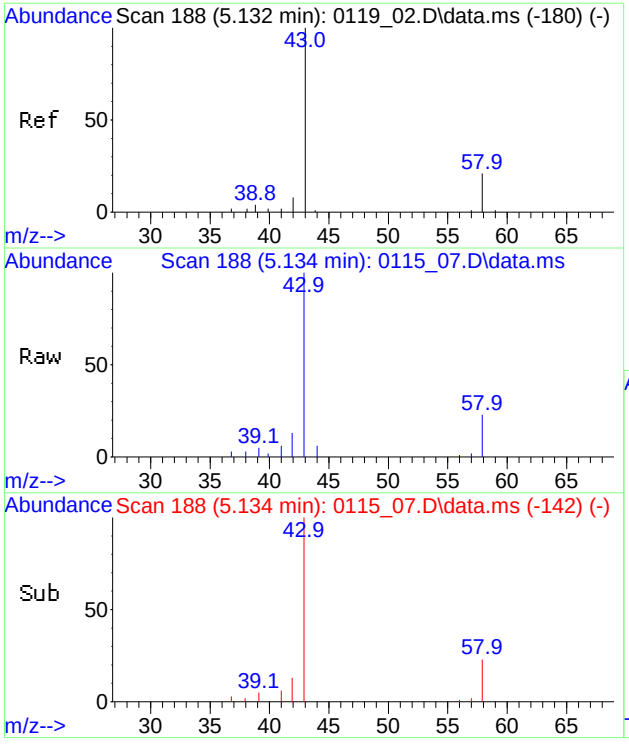


#11
Ethanol
Conc: 8$ 23.887 ppbv
RT: 4.759 min Scan# 133
Delta R.T. -0.000 min
Lab File: 0115_07.D
Acq: 15 Jan 2026 6:15 pm

Tgt Ion: 45 Resp: 171868

Ion	Ratio	Lower	Upper
45	100		
46	30.8	25.4	38.0
43	20.2	21.2	31.8#

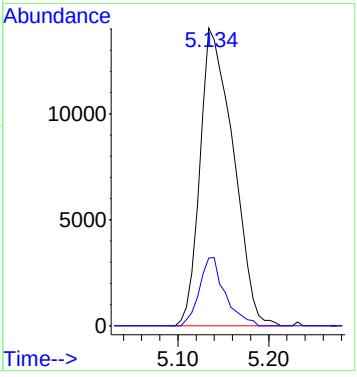


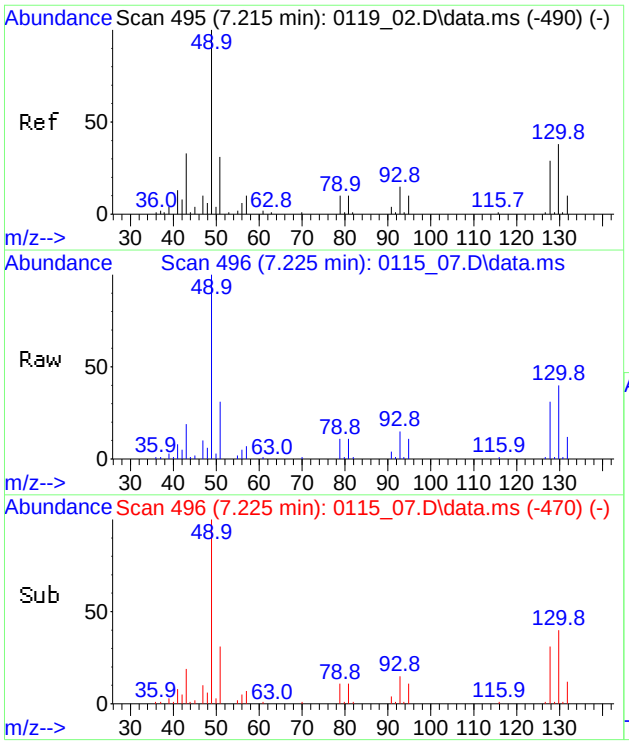


#12
Acetone
Conc: 8$ 1.069 ppbv
RT: 5.134 min Scan# 188
Delta R.T. 0.006 min
Lab File: 0115_07.D
Acq: 15 Jan 2026 6:15 pm

Tgt Ion: 43 Resp: 35585

Ion	Ratio	Lower	Upper
43	100		
58	17.8	21.8	32.6#

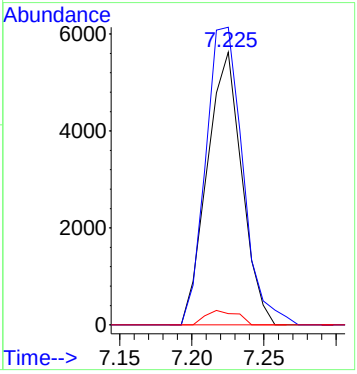


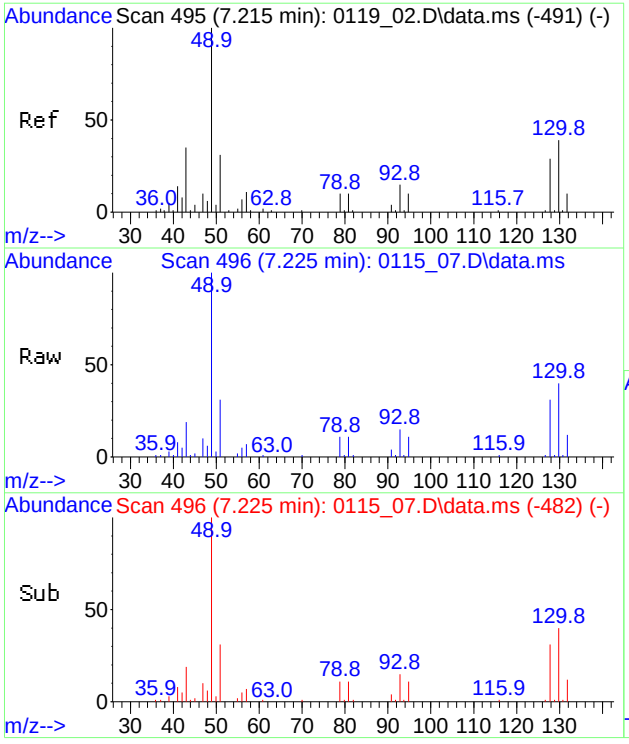


#27
Hexane
Conc: 8$ 0.383 ppbv
RT: 7.225 min Scan# 496
Delta R.T. 0.008 min
Lab File: 0115_07.D
Acq: 15 Jan 2026 6:15 pm

Tgt Ion: 57 Resp: 9418

Ion	Ratio	Lower	Upper
57	100		
41	116.4	69.8	104.8#
86	4.9	5.8	8.6#

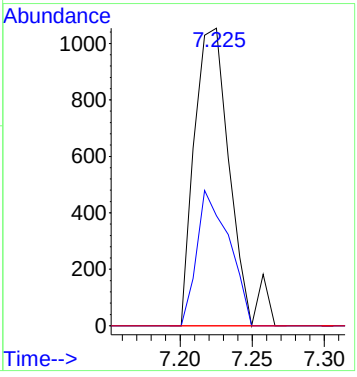


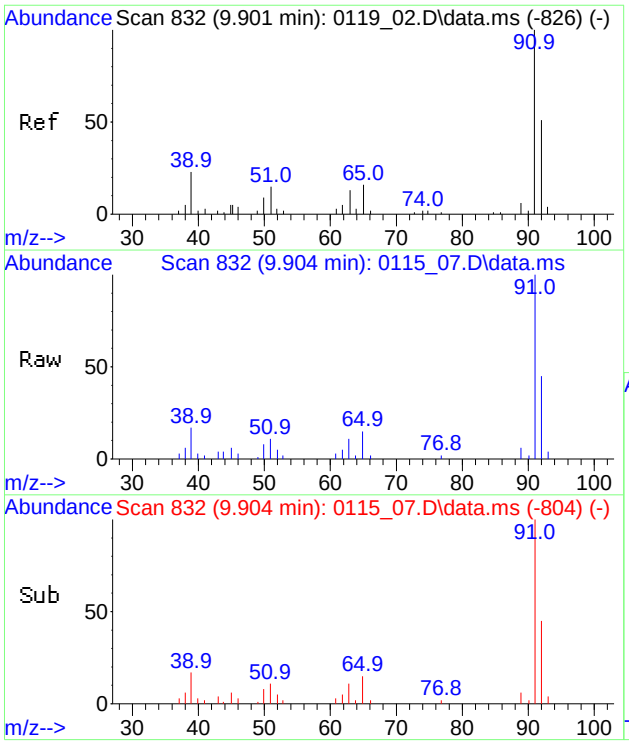


#29
Ethyl acetate
Conc: 8$ 0.379 ppbv
RT: 7.225 min Scan# 496
Delta R.T. 0.016 min
Lab File: 0115_07.D
Acq: 15 Jan 2026 6:15 pm

Tgt Ion: 61 Resp: 1815

Ion	Ratio	Lower	Upper
61	100		
70	41.3	46.3	69.5#
88	0.0	12.4	18.6#

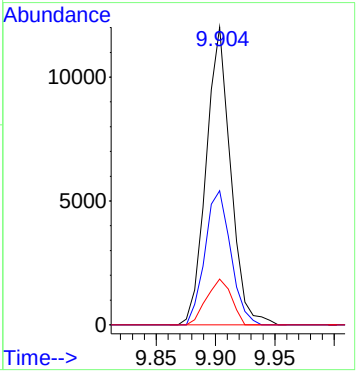




#48
Toluene
Conc: 8$ 0.460 ppbv
RT: 9.904 min Scan# 832
Delta R.T. -0.000 min
Lab File: 0115_07.D
Acq: 15 Jan 2026 6:15 pm

Tgt Ion: 91 Resp: 17135

Ion	Ratio	Lower	Upper
91	100		
92	47.6	42.6	63.8
65	15.7	10.0	15.0#



1

AIR ANALYSIS DATA SHEET

CLIENT ID: CV12868 BLANK

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCV13321 Lab Sample ID: CV12868 BL

Canister: BL Lab File ID: 0115_05.D

Instrument: CHEM39 Column: ГX-1 ; #10157 Date Received: 01/15/26

Purge Volume 200 (cc) Date Analyzed: 01/15/26

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	2.50	U	2.50	2.50	r
75-71-8	Dichlorodifluoromethane	2.50	U	2.50	2.50	r
74-87-3	Chloromethane	2.50	U	2.50	2.50	r
106-99-0	1,3-Butadiene	2.50	U	2.50	2.50	r
75-00-3	Chloroethane	2.50	U	2.50	2.50	r
64-17-5	Ethanol	10.0	U	10.0	10.0	r
67-64-1	Acetone	10.0	U	10.0	10.0	r
67-63-0	Isopropylalcohol	10.0	U	10.0	10.0	r
107-13-1	Acrylonitrile	2.50	U	2.50	2.50	r
75-09-2	Methylene Chloride	4.50	U	4.50	4.50	r
75-15-0	Carbon Disulfide	2.50	U	2.50	2.50	r
1634-04-4	Methyl tert-butyl ether(MTBE)	2.50	U	2.50	2.50	r
78-93-3	Methyl Ethyl Ketone	2.50	U	2.50	2.50	r
110-54-3	Hexane	2.50	U	2.50	2.50	r
141-78-6	Ethyl acetate	2.50	U	2.50	2.50	r
109-99-9	Tetrahydrofuran	2.50	U	2.50	2.50	r
110-82-7	Cyclohexane	2.50	U	2.50	2.50	r
540-84-1	2,2,4-trimethylpentane	1.00	U	1.00	1.00	r
142-82-5	Heptane	2.50	U	2.50	2.50	r
108-10-1	4-Methyl-2-pentanone(MIBK)	2.50	U	2.50	2.50	r
10061-02-6	trans-1,3-Dichloropropene	2.50	U	2.50	2.50	r
108-88-3	Toluene	2.50	U	2.50	2.50	r
591-78-6	2-Hexanone(MBK)	2.50	U	2.50	2.50	r
630-20-6	1,1,1,2-Tetrachloroethane	2.50	U	2.50	2.50	r
108-90-7	Chlorobenzene	2.50	U	2.50	2.50	r
100-41-4	Ethylbenzene	2.50	U	2.50	2.50	r
100-42-5	Styrene	2.50	U	2.50	2.50	r
95-47-6	o-Xylene	2.50	U	2.50	2.50	r
98-82-8	Isopropylbenzene	2.50	U	2.50	2.50	r
622-96-8	4-Ethyltoluene	2.50	U	2.50	2.50	r
108-67-8	1,3,5-Trimethylbenzene	2.50	U	2.50	2.50	r
95-63-6	1,2,4-Trimethylbenzene	2.50	U	2.50	2.50	r
91-20-3	Naphthalene	2.50	U	2.50	2.50	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	2.50	U	2.50	2.50	r
75-01-4	Vinyl Chloride(sim)	0.500	U	0.500	0.500	r
74-83-9	Bromomethane(sim)	2.50	U	2.50	2.50	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1

CLIENT ID

AIR ANALYSIS DATA SHEET

CV12868 BLANK

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCV13321 Lab Sample ID: CV12868 BL

Canister: BL Lab File ID: 0115_05.D

Instrument: CHEM39 Column: ΓX-1 ; #10157 Date Received: 01/15/26

Purge Volume 200 (cc) Date Analyzed: 01/15/26

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	2.50	U	2.50	2.50	r
107-06-2	1,2-Dichloroethane(sim)	0.050	U	0.050	0.050	r
71-55-6	1,1,1-Trichloroethane(sim)	2.50	U	2.50	2.50	r
71-43-2	Benzene(sim)	2.50	U	2.50	2.50	r
56-23-5	Carbon Tetrachloride(sim)	2.50	U	2.50	2.50	r
75-35-4	1,1-Dichloroethene(sim)	2.50	U	2.50	2.50	r
76-13-1	Trichlorotrifluoroethane(sim)	2.50	U	2.50	2.50	r
156-60-5	Trans-1,2-Dichloroethene(sim)	2.50	U	2.50	2.50	r
75-34-3	1,1-Dichloroethane(sim)	2.50	U	2.50	2.50	r
156-59-2	Cis-1,2-Dichloroethene(sim)	2.50	U	2.50	2.50	r
67-66-3	Chloroform(sim)	2.50	U	2.50	2.50	r
78-87-5	1,2-dichloropropane(sim)	2.50	U	2.50	2.50	r
75-27-4	Bromodichloromethane(sim)	2.50	U	2.50	2.50	r
79-01-6	Trichloroethene(sim)	0.175	U	0.175	0.175	r
123-91-1	1,4-Dioxane(sim)	1.00	U	1.00	1.00	r
10061-01-5	cis-1,3-Dichloropropene(sim)	2.50	U	2.50	2.50	r
79-00-5	1,1,2-Trichloroethane(sim)	2.50	U	2.50	2.50	r
124-48-1	Dibromochloromethane(sim)	2.50	U	2.50	2.50	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	2.50	U	2.50	2.50	r
127-18-4	Tetrachloroethene(sim)	0.500	U	0.500	0.500	r
75-25-2	Bromoform(sim)	2.50	U	2.50	2.50	r
179601-23-1	m,p-Xylene(sim)	5.00	U	5.00	5.00	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	2.50	U	2.50	2.50	r
100-44-7	Benzyl chloride(sim)	2.50	U	2.50	2.50	r
541-73-1	1,3-Dichlorobenzene(sim)	2.50	U	2.50	2.50	r
106-46-7	1,4-Dichlorobenzene(sim)	2.50	U	2.50	2.50	r
135-98-8	sec-Butylbenzene(sim)	2.50	U	2.50	2.50	r
99-87-6	4-Isopropyltoluene(sim)	2.50	U	2.50	2.50	r
95-50-1	1,2-Dichlorobenzene(sim)	1.00	U	1.00	1.00	r
104-51-8	n-Butylbenzene(sim)	2.50	U	2.50	2.50	r
120-82-1	1,2,4-Trichlorobenzene(sim)	2.50	U	2.50	2.50	r
87-68-3	Hexachlorobutadiene(sim)	2.50	U	2.50	2.50	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_05.D
Acq On : 15 Jan 2026 5:00 pm
Operator :
Client ID : CV12868 BLANK
Lab ID : CV12868 BLANK
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 07:31:01 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

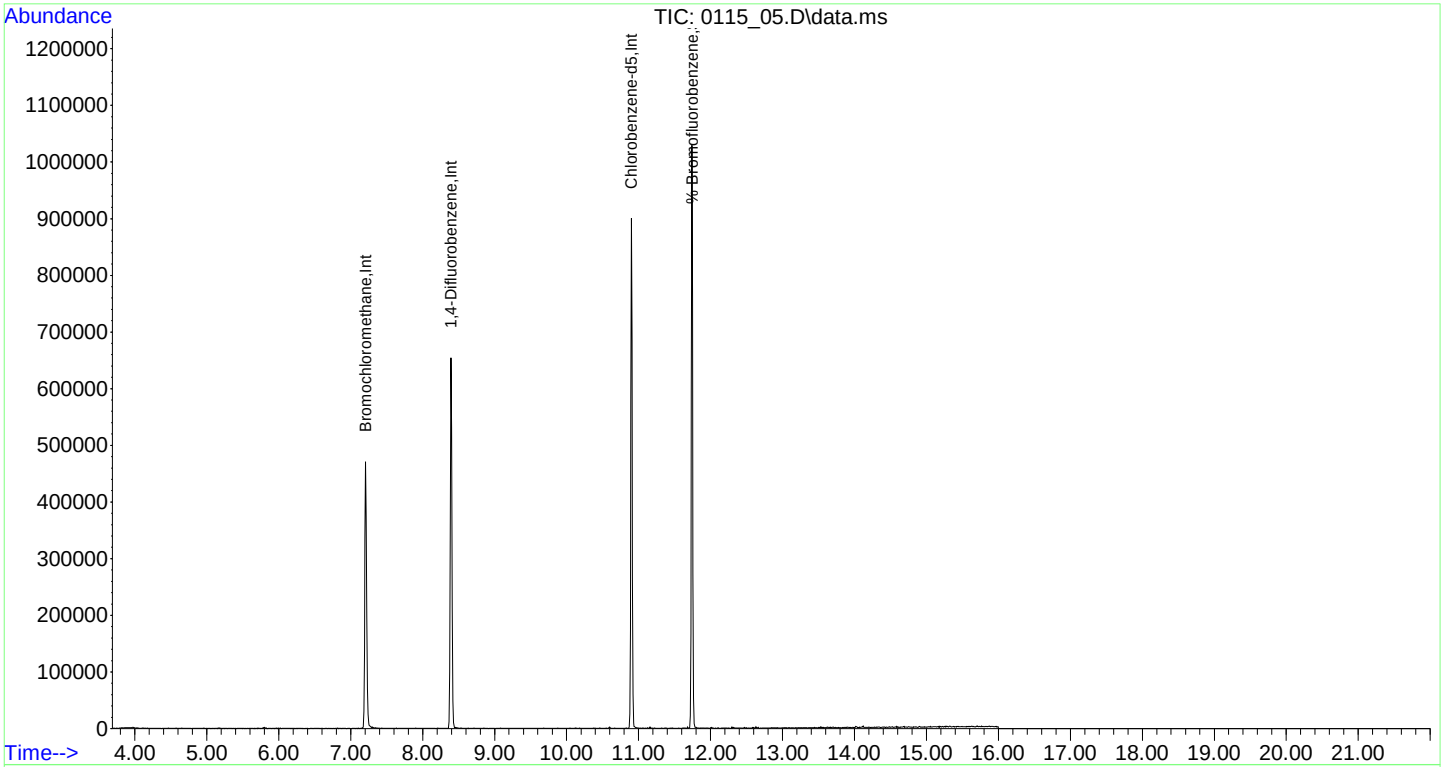
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.207	130	105895	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.392	114	361940	10.000	ng		0.00
53) Chlorobenzene-d5	10.900	82	183671	10.000	ng		0.00
80) Bromochloromethane(sim)	7.210	130	109995	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.392	114	361940	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.900	82	183671	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.742	95	235328	9.538	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.40%			
Target Compounds							Qvalue

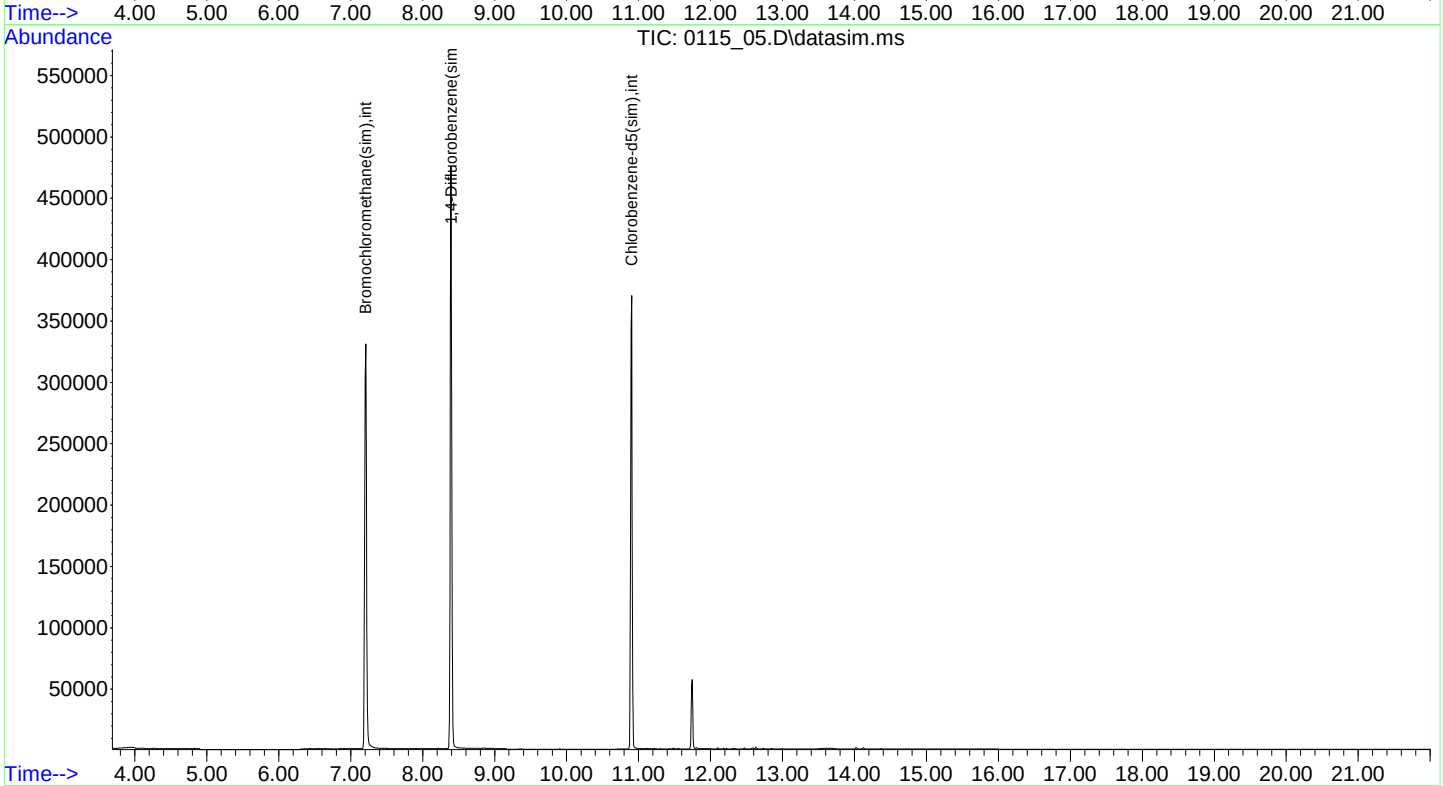
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_05.D
Acq On : 15 Jan 2026 5:00 pm
Operator :
Client ID : CV12868 BLANK
Lab ID : CV12868 BLANK
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 07:31:01 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration





1

CLIENT ID

AIR ANALYSIS DATA SHEET

CV12868 DUP 5X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCV13321 Lab Sample ID: CV12868 DUP 5X

Canister: 28576 Lab File ID: 0115_08.D

Instrument: CHEM39 Column: ГX-1 ; #10157 Date Received: 01/15/26

Purge Volume 200 (cc) Date Analyzed: 01/15/26

Matrix: AIR Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	2.50	U	2.50	2.50	r
75-71-8	Dichlorodifluoromethane	2.50	U	2.50	2.50	r
74-87-3	Chloromethane	2.50	U	2.50	2.50	r
106-99-0	1,3-Butadiene	2.50	U	2.50	2.50	r
75-00-3	Chloroethane	2.50	U	2.50	2.50	r
64-17-5	Ethanol	116	S	10.0	10.0	r
67-64-1	Acetone	10.0	U	10.0	10.0	r
67-63-0	Isopropylalcohol	10.0	U	10.0	10.0	r
107-13-1	Acrylonitrile	2.50	U	2.50	2.50	r
75-09-2	Methylene Chloride	4.50	U	4.50	4.50	r
75-15-0	Carbon Disulfide	2.50	U	2.50	2.50	r
1634-04-4	Methyl tert-butyl ether(MTBE)	2.50	U	2.50	2.50	r
78-93-3	Methyl Ethyl Ketone	2.50	U	2.50	2.50	r
110-54-3	Hexane	2.50	U	2.50	2.50	r
141-78-6	Ethyl acetate	2.50	U	2.50	2.50	r
109-99-9	Tetrahydrofuran	2.50	U	2.50	2.50	r
110-82-7	Cyclohexane	2.50	U	2.50	2.50	r
540-84-1	2,2,4-trimethylpentane	0.100	U	0.100	0.100	r
142-82-5	Heptane	2.50	U	2.50	2.50	r
108-10-1	4-Methyl-2-pentanone(MIBK)	2.50	U	2.50	2.50	r
10061-02-6	trans-1,3-Dichloropropene	2.50	U	2.50	2.50	r
108-88-3	Toluene	2.50	U	2.50	2.50	r
591-78-6	2-Hexanone(MBK)	2.50	U	2.50	2.50	r
630-20-6	1,1,1,2-Tetrachloroethane	2.50	U	2.50	2.50	r
108-90-7	Chlorobenzene	2.50	U	2.50	2.50	r
100-41-4	Ethylbenzene	2.50	U	2.50	2.50	r
100-42-5	Styrene	2.50	U	2.50	2.50	r
95-47-6	o-Xylene	2.50	U	2.50	2.50	r
98-82-8	Isopropylbenzene	2.50	U	2.50	2.50	r
622-96-8	4-Ethyltoluene	2.50	U	2.50	2.50	r
108-67-8	1,3,5-Trimethylbenzene	2.50	U	2.50	2.50	r
95-63-6	1,2,4-Trimethylbenzene	2.50	U	2.50	2.50	r
91-20-3	Naphthalene	2.50	U	2.50	2.50	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	2.50	U	2.50	2.50	r
75-01-4	Vinyl Chloride(sim)	0.500	U	0.500	0.500	r
74-83-9	Bromomethane(sim)	2.50	U	2.50	2.50	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1

AIR ANALYSIS DATA SHEET

CLIENT ID: CV12868 DUP 5X

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCV13321 Lab Sample ID: CV12868 DUP 5X

Canister: 28576 Lab File ID: 0115_08.D

Instrument: CHEM39 Column: ГX-1 ; #10157 Date Received: 01/15/26

Purge Volume 200 (cc) Date Analyzed: 01/15/26

Matrix: AIR Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	2.50	U	2.50	2.50	r
107-06-2	1,2-Dichloroethane(sim)	0.050	U	0.050	0.050	r
71-55-6	1,1,1-Trichloroethane(sim)	2.50	U	2.50	2.50	r
71-43-2	Benzene(sim)	2.50	U	2.50	2.50	r
56-23-5	Carbon Tetrachloride(sim)	2.50	U	2.50	2.50	r
75-35-4	1,1-Dichloroethene(sim)	2.50	U	2.50	2.50	r
76-13-1	Trichlorotrifluoroethane(sim)	2.50	U	2.50	2.50	r
156-60-5	Trans-1,2-Dichloroethene(sim)	2.50	U	2.50	2.50	r
75-34-3	1,1-Dichloroethane(sim)	2.50	U	2.50	2.50	r
156-59-2	Cis-1,2-Dichloroethene(sim)	2.50	U	2.50	2.50	r
67-66-3	Chloroform(sim)	2.50	U	2.50	2.50	r
78-87-5	1,2-dichloropropane(sim)	2.50	U	2.50	2.50	r
75-27-4	Bromodichloromethane(sim)	2.50	U	2.50	2.50	r
79-01-6	Trichloroethene(sim)	0.175	U	0.175	0.175	r
123-91-1	1,4-Dioxane(sim)	1.00	U	1.00	1.00	r
10061-01-5	cis-1,3-Dichloropropene(sim)	2.50	U	2.50	2.50	r
79-00-5	1,1,2-Trichloroethane(sim)	2.50	U	2.50	2.50	r
124-48-1	Dibromochloromethane(sim)	2.50	U	2.50	2.50	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	2.50	U	2.50	2.50	r
127-18-4	Tetrachloroethene(sim)	0.500	U	0.500	0.500	r
75-25-2	Bromoform(sim)	2.50	U	2.50	2.50	r
179601-23-1	m,p-Xylene(sim)	5.00	U	5.00	5.00	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	2.50	U	2.50	2.50	r
100-44-7	Benzyl chloride(sim)	2.50	U	2.50	2.50	r
541-73-1	1,3-Dichlorobenzene(sim)	2.50	U	2.50	2.50	r
106-46-7	1,4-Dichlorobenzene(sim)	2.50	U	2.50	2.50	r
135-98-8	sec-Butylbenzene(sim)	2.50	U	2.50	2.50	r
99-87-6	4-Isopropyltoluene(sim)	2.50	U	2.50	2.50	r
95-50-1	1,2-Dichlorobenzene(sim)	1.00	U	1.00	1.00	r
104-51-8	n-Butylbenzene(sim)	2.50	U	2.50	2.50	r
120-82-1	1,2,4-Trichlorobenzene(sim)	2.50	U	2.50	2.50	r
87-68-3	Hexachlorobutadiene(sim)	2.50	U	2.50	2.50	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_08.D
Acq On : 15 Jan 2026 6:52 pm
Operator :
Client ID : CV12868 DUP 5X
Lab ID : CV12868 DUP 5X
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 16 07:31:22 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration

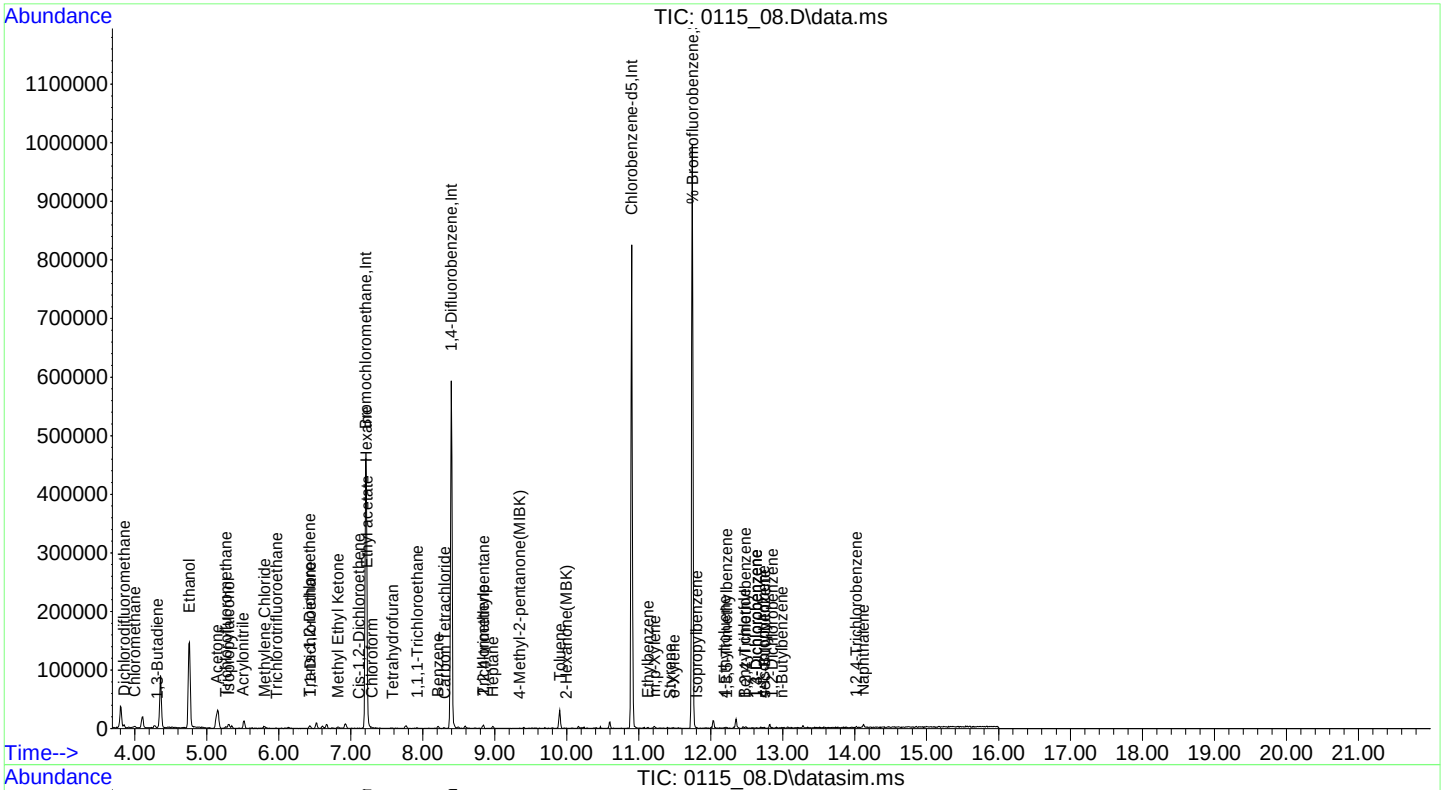
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.209	130	96454	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.395	114	319365	10.000	ng		0.00
53) Chlorobenzene-d5	10.903	82	163425	10.000	ng		0.00
80) Bromochloromethane(sim)	7.212	130	97721	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.395	114	319365	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.903	82	163425	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.744	95	220081	10.025	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.20%				
Target Compounds							Qvalue
11) Ethanol	4.759	45	165025	23.153	ppbv		95

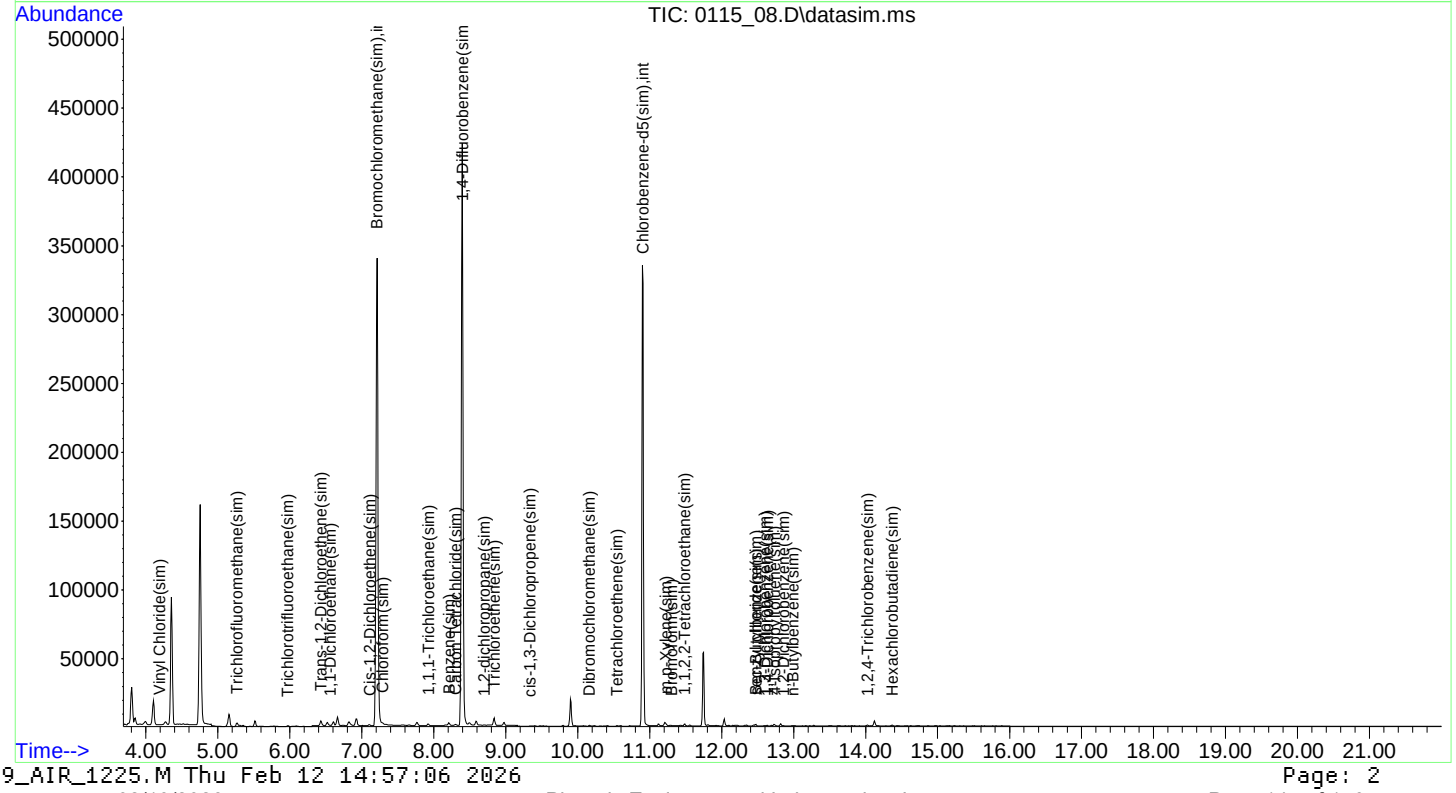
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

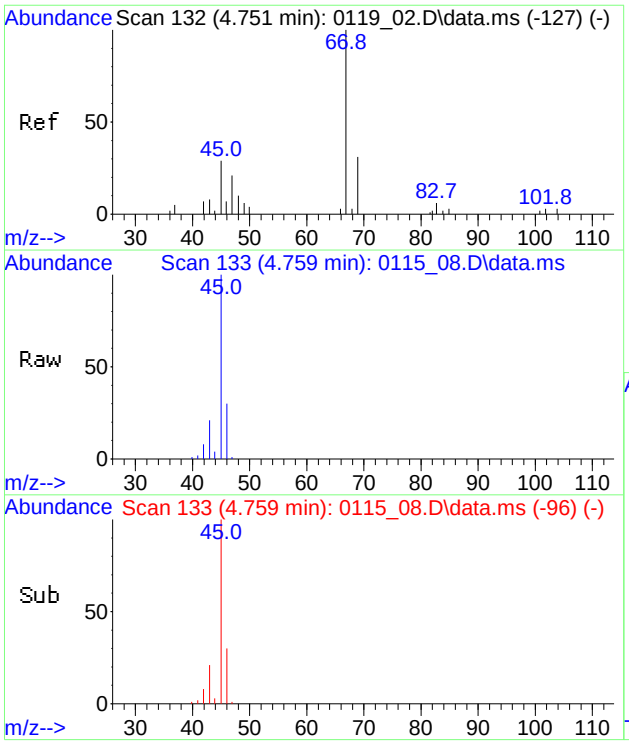
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM39\01JAN\15\
Data File : 0115_08.D
Acq On : 15 Jan 2026 6:52 pm
Operator :
Client ID : CV12868 DUP 5X
Lab ID : CV12868 DUP 5X
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 16 07:31:22 2026
Quant Method : H:\AIR2026\CHEM39\Methods\39_AIR_1225.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Dec 26 11:07:22 2025
Response via : Initial Calibration



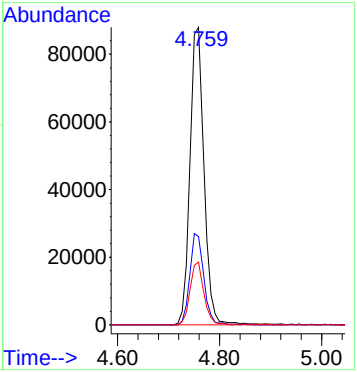


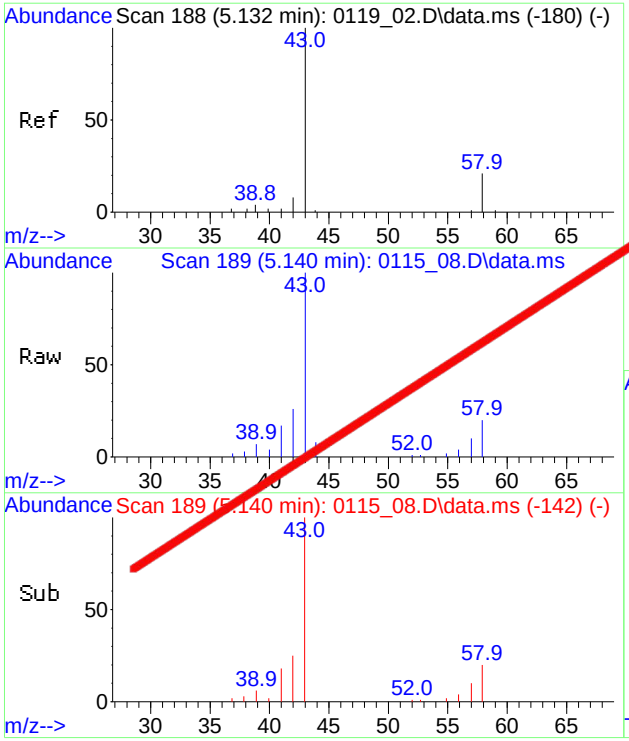


#11
Ethanol
Conc: 8$ 23.153 ppbv
RT: 4.759 min Scan# 133
Delta R.T. -0.000 min
Lab File: 0115_08.D
Acq: 15 Jan 2026 6:52 pm

Tgt Ion: 45 Resp: 165025

Ion	Ratio	Lower	Upper
45	100		
46	31.2	25.4	38.0
43	21.2	21.2	31.8

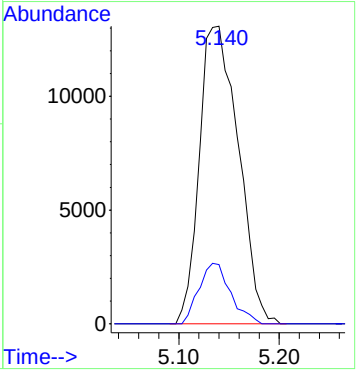




#12
Acetone
Conc: 8$ 1.068 ppbv
RT: 5.140 min Scan# 189
Delta R.T. 0.012 min
Lab File: 0115_08.D
Acq: 15 Jan 2026 6:52 pm

Tgt Ion: 43 Resp: 35215

Ion	Ratio	Lower	Upper
43	100		
58	16.5	21.8	32.6#



CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 4267

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCV13321 Lab Sample ID: CANISTER BLK 4267

Canister: CANBL Lab File ID: 0108_08.D

Instrument: CHEM20 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 01/08/26

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	0.421	U	0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 4267

Client: IMPACT-ICL Lab: Phoenix Env. Labs

SDG No.: GCV13321 Lab Sample ID: CANISTER BLK 4267

Canister: CANBL Lab File ID: 0108_08.D

Instrument: CHEM20 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 01/08/26

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Batch Canister Certification

February 12, 2026

Batch Id: 4267

QC Canister Id: 791

SDG ID: GCV13321

Sample Canister Ids: 0701

Certification Date: 01/08/26 8:26 PM

Data File: H:\AIR2026\CHEM20\01JAN\07\0108_08.D\0108_08-20_AIR_1222.rr

Project ID: 5801 AMBOY ROAD

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1,2-Tetrachloroethane	<0.146	1,1,1-Trichloroethane	<0.183
1,1,2,2-Tetrachloroethane	<0.146	1,1,2-Trichloroethane	<0.183
1,1-Dichloroethane	<0.247	1,1-Dichloroethene	<0.051
1,2,4-Trichlorobenzene	<0.135	1,2,4-Trimethylbenzene	<0.204
1,2-Dibromoethane(EDB)	<0.130	1,2-Dichlorobenzene	<0.166
1,2-Dichloroethane	<0.247	1,2-dichloropropane	<0.217
1,2-Dichlorotetrafluoroethane	<0.143	1,3,5-Trimethylbenzene	<0.204
1,3-Butadiene	<0.452	1,3-Dichlorobenzene	<0.166
1,4-Dichlorobenzene	<0.166	1,4-Dioxane	<0.278
2-Hexanone(MBK)	<0.244	4-Ethyltoluene	<0.204
4-Isopropyltoluene	<0.182	4-Methyl-2-pentanone(MIBK)	<0.244
Acetone	<0.421	Acrylonitrile	<0.461
Benzene	<0.313	Benzyl chloride	<0.193
Bromodichloromethane	<0.149	Bromoform	<0.097
Bromomethane	<0.258	Carbon Disulfide	<0.321
Carbon Tetrachloride	<0.032	Chlorobenzene	<0.217
Chloroethane	<0.379	Chloroform	<0.205
Chloromethane	<0.485	Cis-1,2-Dichloroethene	<0.051
cis-1,3-Dichloropropene	<0.220	Cyclohexane	<0.291
Dibromochloromethane	<0.117	Dichlorodifluoromethane	<0.202
Ethanol	<0.531	Ethyl acetate	<0.278
Ethylbenzene	<0.230	Heptane	<0.244
Hexachlorobutadiene	<0.094	Hexane	<0.284
Isooctane	<0.215	Isopropylalcohol	<0.407
Isopropylbenzene	<0.204	m,p-Xylene	<0.230
Methyl Ethyl Ketone	<0.339	Methyl tert-butyl ether(MTBE)	<0.278
Methylene Chloride	<0.863	Naphthalene	<0.200
n-Butylbenzene	<0.182	o-Xylene	<0.230
Propylene	<0.581	sec-Butylbenzene	<0.182
Styrene	<0.235	Tetrachloroethene	<0.037
Tetrahydrofuran	<0.339	Toluene	<0.266
Trans-1,2-Dichloroethene	<0.252	trans-1,3-Dichloropropene	<0.220
Trichloroethene	<0.037	Trichlorofluoromethane	<0.178
Trichlorotrifluoroethane	<0.131	Vinyl Chloride	<0.078

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2026\CHEM20\01JAN\07\
Data File : 0108_08.D
Acq On : 8 Jan 2026 8:26 pm
Operator :
Client ID : CANISTER BLK 4267
Lab ID : CANISTER BLK 4267
ALS Vial : 4 Sample Multiplier: 1

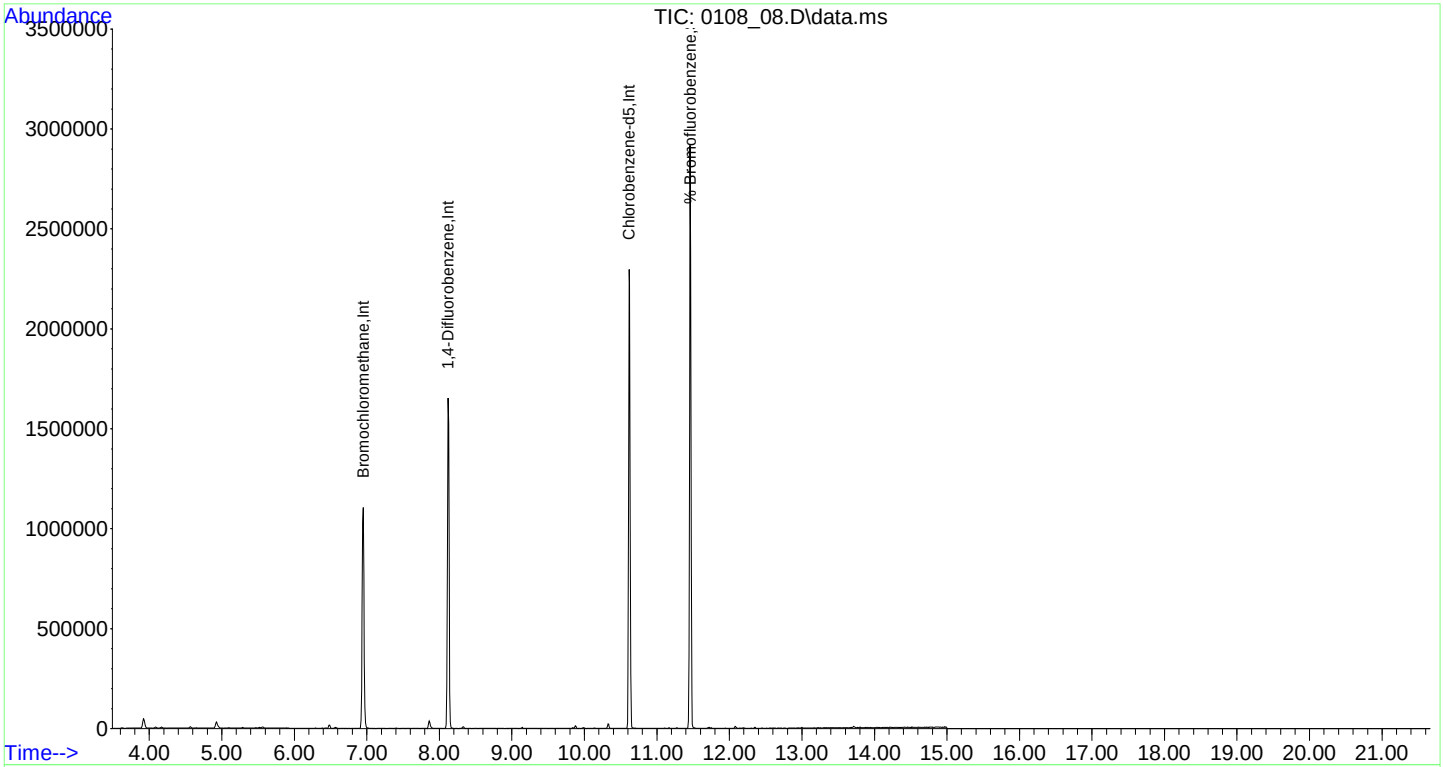
Quant Time: Jan 09 15:41:11 2026
Quant Method : H:\AIR2026\CHEM20\Methods\20_AIR_1222.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Dec 23 09:22:29 2025
Response via : Initial Calibration

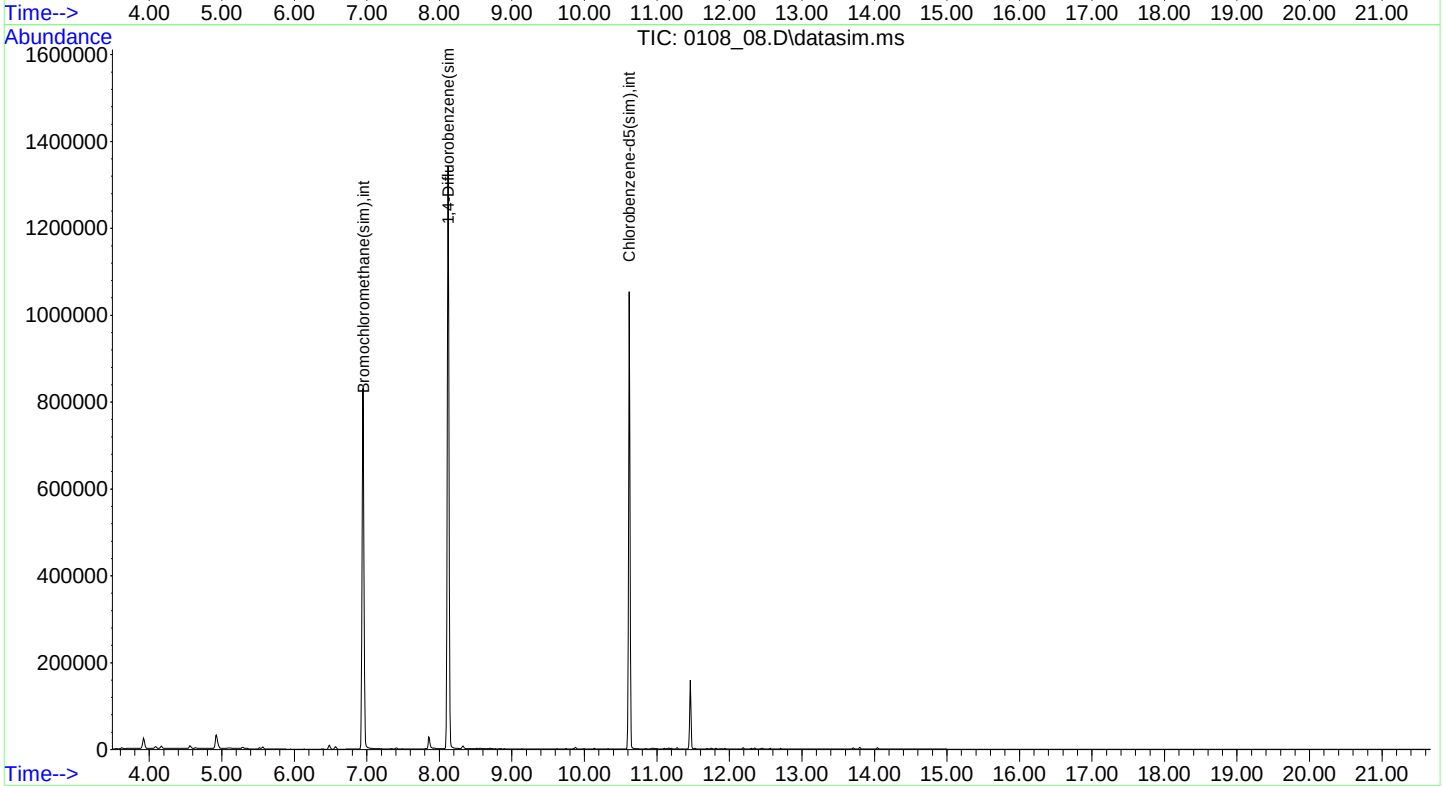
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.950	130	298645	10.000	ng		0.00
36) 1,4-Difluorobenzene	8.118	114	1075401	10.000	ng		0.00
53) Chlorobenzene-d5	10.617	82	565585	10.000	ng		0.00
80) Bromochloromethane(sim)	6.953	130	322625	10.000	ng	#	0.00
95) 1,4-Difluorobenzene(sim)	8.118	114	1075401	10.000	ng		0.00
105) Chlorobenzene-d5(sim)	10.617	82	565585	10.000	ng	#	0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.458	95	751493	10.452	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.50%				
Target Compounds							Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2026\CHEM20\01JAN\07\
Data File : 0108_08.D
Acq On : 8 Jan 2026 8:26 pm
Operator :
Client ID : CANISTER BLK 4267
Lab ID : CANISTER BLK 4267
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 15:41:11 2026
Quant Method : H:\AIR2026\CHEM20\Methods\20_AIR_1222.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Dec 23 09:22:29 2025
Response via : Initial Calibration





Injection Log

Data Directory: H:\AIR2026\CHEM20\01JAN\07\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	1	0107_01.D	xxxxxxxxxx		01/07/26 13:42
2)	28	0107_02.D	xxxxxxxxxx		01/07/26 14:15
3)	28	0107_03.D	xxxxxxxxxx		01/07/26 14:47
4)	29	0107_04.D	xxxxxxxxxx		01/07/26 15:22
5)	1	0107_05.D	xxxxxxxxxx		01/07/26 15:53
6)	2	0107_06.D	xxxxxxxxxx		01/07/26 16:25
7)	3	0107_07.D	xxxxxxxxxx		01/07/26 17:00
8)	4	0107_08.D	xxxxxxxxxx		01/07/26 17:35
9)	5	0107_09.D	xxxxxxxxxx		01/07/26 19:35
10)	6	0107_10.D	xxxxxxxxxx		01/07/26 20:16
11)	7	0107_11.D	xxxxxxxxxx		01/07/26 20:56
12)	8	0107_12.D	xxxxxxxxxx		01/07/26 21:41
13)	9	0107_13.D	xxxxxxxxxx		01/07/26 22:27
14)	10	0107_14.D	xxxxxxxxxx		01/07/26 23:02
15)	11	0107_15.D	xxxxxxxxxx		01/07/26 23:37
16)	12	0107_16.D	xxxxxxxxxx		01/08/26 0:13
17)	13	0107_17.D	xxxxxxxxxx		01/08/26 0:45
18)	14	0107_18.D	xxxxxxxxxx		01/08/26 1:18
19)	15	0107_19.D	xxxxxxxxxx		01/08/26 1:51
20)	16	0107_20.D	xxxxxxxxxx		01/08/26 2:23
21)	17	0107_21.D	xxxxxxxxxx		01/08/26 2:55
22)	18	0107_22.D	xxxxxxxxxx		01/08/26 3:27
23)	19	0107_23.D	xxxxxxxxxx		01/08/26 4:00
24)	20	0107_24.D	xxxxxxxxxx		01/08/26 4:30
25)	21	0107_25.D	xxxxxxxxxx		01/08/26 5:05
26)	22	0107_26.D	xxxxxxxxxx		01/08/26 5:40
27)	23	0107_27.D	xxxxxxxxxx		01/08/26 9:31
28)	24	0107_28.D	xxxxxxxxxx		01/08/26 10:04
29)	25	0107_29.D	xxxxxxxxxx		01/08/26 10:58
30)	26	0107_30.D	xxxxxxxxxx		01/08/26 11:30
31)	1	0108_01.D	xxxxxxxxxx		01/08/26 12:18
32)	28	0108_02.D	xxxxxxxxxx		01/08/26 12:51
33)	28	0108_03.D	xxxxxxxxxx		01/08/26 13:23
34)	29	0108_04.D	xxxxxxxxxx		01/08/26 13:58
35)	1	0108_05.D	xxxxxxxxxx		01/08/26 14:29
36)	2	0108_06.D	xxxxxxxxxx		01/08/26 15:01
37)	3	0108_07.D	xxxxxxxxxx		01/08/26 15:36
38)	4	0108_08.D	CANISTER BLK 4267	CANISTER BLK 4267	01/08/26 20:26
39)	5	0108_09.D	xxxxxxxxxx		01/08/26 21:04
40)	6	0108_10.D	xxxxxxxxxx		01/08/26 21:43
41)	7	0108_11.D	xxxxxxxxxx		01/08/26 22:22
42)	8	0108_12.D	xxxxxxxxxx		01/08/26 23:01
43)	9	0108_13.D	xxxxxxxxxx		01/08/26 23:40
44)	10	0108_14.D	xxxxxxxxxx		01/09/26 0:19
45)	11	0108_15.D	xxxxxxxxxx		01/09/26 0:54
46)	12	0108_16.D	xxxxxxxxxx		01/09/26 1:26
47)	13	0108_17.D	xxxxxxxxxx		01/09/26 1:59
48)	14	0108_18.D	xxxxxxxxxx		01/09/26 2:29
49)	15	0108_19.D	xxxxxxxxxx		01/09/26 3:04
50)	16	0108_20.D	xxxxxxxxxx		01/09/26 8:34
51)	17	0108_21.D	xxxxxxxxxx		01/09/26 9:12
52)	18	0108_22.D	xxxxxxxxxx		01/09/26 10:29
53)	19	0108_23.D	xxxxxxxxxx		01/09/26 11:02

Injection Log

Data Directory: H:\AIR2026\CHEM39\01JAN\15\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	0	0115_29.D	xxxxxxxxxx		N/A
2)	1	0115_02.D	BFB TUNE - CCAL 1	1ppb cCal; TO1517K	01/15/26 15:06
3)	1	0115_03.D	xxxxxxxxxx		01/15/26 15:44
4)	1	0115_04.D	CV12868 LCS	CV12868 LCS	01/15/26 16:24
5)	1	0115_05.D	CV12868 BLANK	CV12868 BLANK	01/15/26 17:00
6)	1	0115_06.D	xxxxxxxxxx		01/15/26 17:37
7)	2	0115_07.D	CV12868 QC 5X	CV12868 QC 5X	01/15/26 18:15
8)	3	0115_08.D	CV12868 DUP 5X	CV12868 DUP 5X	01/15/26 18:52
9)	4	0115_09.D	xxxxxxxxxx		01/15/26 19:30
10)	5	0115_10.D	xxxxxxxxxx		01/15/26 20:09
11)	6	0115_11.D	xxxxxxxxxx		01/15/26 20:47
12)	7	0115_12.D	xxxxxxxxxx		01/15/26 21:25
13)	8	0115_13.D	xxxxxxxxxx		01/15/26 22:04
14)	9	0115_14.D	xxxxxxxxxx		01/15/26 22:42
15)	10	0115_15.D	xxxxxxxxxx		01/15/26 23:20
16)	11	0115_16.D	xxxxxxxxxx		01/15/26 23:59
17)	12	0115_17.D	xxxxxxxxxx		01/16/26 0:37
18)	13	0115_18.D	xxxxxxxxxx		01/16/26 1:16
19)	14	0115_19.D	xxxxxxxxxx		01/16/26 1:54
20)	15	0115_20.D	xxxxxxxxxx		01/16/26 2:32
21)	16	0115_21.D	xxxxxxxxxx		01/16/26 3:10
22)	17	0115_22.D	xxxxxxxxxx		01/16/26 3:48
23)	18	0115_23.D	xxxxxxxxxx		01/16/26 4:26
24)	19	0115_24.D	xxxxxxxxxx		01/16/26 5:04
25)	20	0115_25.D	xxxxxxxxxx		01/16/26 5:42
26)	21	0115_26.D	xxxxxxxxxx		01/16/26 6:20
27)	22	0115_27.D	EFFLUENT-1 5X	CV13321 5X	01/16/26 6:58
28)	23	0115_28.D	xxxxxxxxxx		01/16/26 7:33
29)	1	0116_01.D	CCCAL 1	1ppb cCal; TO1517K	01/16/26 9:32
30)	2	0116_02.D	xxxxxxxxxx		01/16/26 10:10
31)	3	0116_03.D	xxxxxxxxxx		01/16/26 10:51
32)	4	0116_04.D	xxxxxxxxxx		01/16/26 11:27
33)	5	0116_05.D	xxxxxxxxxx		01/16/26 12:05
34)	6	0116_06.D	xxxxxxxxxx		01/16/26 12:43
35)	7	0116_07.D	xxxxxxxxxx		01/16/26 13:21
36)	8	0116_08.D	xxxxxxxxxx		01/16/26 13:59
37)	9	0116_09.D	xxxxxxxxxx		01/16/26 14:37
38)	10	0116_10.D	xxxxxxxxxx		01/16/26 15:15
39)	11	0116_11.D	xxxxxxxxxx		01/16/26 15:53
40)	12	0116_12.D	xxxxxxxxxx		01/16/26 16:22
41)	13	0116_13.D	xxxxxxxxxx		01/16/26 17:00
42)	14	0116_14.D	xxxxxxxxxx		01/16/26 17:38
43)	15	0116_15.D	xxxxxxxxxx		01/16/26 19:47
44)	16	0116_16.D	xxxxxxxxxx		01/16/26 20:30
45)	17	0116_17.D	xxxxxxxxxx		01/16/26 21:14
46)	18	0116_18.D	xxxxxxxxxx		01/16/26 21:58
47)	19	0116_19.D	xxxxxxxxxx		01/16/26 22:42
48)	20	0116_20.D	xxxxxxxxxx		01/16/26 23:26
49)	21	0116_21.D	xxxxxxxxxx		01/17/26 0:08
50)	22	0116_22.D	xxxxxxxxxx		01/17/26 0:51
51)	23	0116_23.D	xxxxxxxxxx		01/17/26 1:33
52)	24	0116_24.D	xxxxxxxxxx		01/17/26 2:15
53)	25	0116_25.D	xxxxxxxxxx		01/17/26 2:57
54)	26	0116_26.D	xxxxxxxxxx		01/17/26 3:39
55)	27	0116_27.D	xxxxxxxxxx		01/17/26 4:21
56)	28	0116_28.D	xxxxxxxxxx		01/17/26 5:04
57)	29	0116_29.D	xxxxxxxxxx		01/17/26 5:47
58)	30	0116_30.D	xxxxxxxxxx		01/17/26 6:30
59)	31	0116_31.D	xxxxxxxxxx		01/17/26 7:12
60)	32	0116_32.D	xxxxxxxxxx		01/17/26 7:56
61)	36	0116_36.D	xxxxxxxxxx		01/17/26 8:39
62)	37	0116_37.D	xxxxxxxxxx		01/17/26 9:23

Injection Log

Data Directory: H:\AIR2025\CHEM39\12DEC\25\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	13	1225_01.D	xxxxxxxxxx		12/25/25 16:17
2)	14	1225_02.D	xxxxxxxxxx		12/25/25 16:52
3)	15	1225_03.D	BFB TUNE	0/0	12/25/25 17:27
4)	14	1225_04.D	ICAL 0.01	0.01ppbv	12/25/25 18:04
5)	15	1225_05.D	ICAL 0.02	0.02 ppbv	12/25/25 18:41
6)	16	1225_06.D	ICAL 0.035	0.035 ppbv	12/25/25 19:20
7)	17	1225_07.D	ICAL 0.05	0.05 ppbv	12/25/25 20:00
8)	18	1225_08.D	ICAL 0.1	0.10 ppbv	12/25/25 20:36
9)	19	1225_09.D	ICAL 0.2	0.20 ppbv	12/25/25 21:13
10)	20	1225_10.D	ICAL 0.5	0.5 ppbv	12/25/25 21:52
11)	21	1225_11.D	ICAL 2.5	2.5 ppbv	12/25/25 22:32
12)	22	1225_12.D	ICAL 5	5.0 ppbv	12/25/25 23:08
13)	23	1225_13.D	ICAL 25	25 ppbv	12/25/25 23:48
14)	24	1225_14.D	ICAL 40	40 ppbv	12/26/25 0:30
15)	25	1225_15.D	ICAL 1	1.0 ppbv	12/26/25 1:07
16)	26	1225_16.D	ICAL 10	10.0 ppbv	12/26/25 1:44
17)	27	1225_17.D	ICV_CHEM39_1225	10 ppbv LCs	12/26/25 2:24
18)	28	1225_18.D	xxxxxxxxxx		12/26/25 2:59
19)	29	1225_19.D	xxxxxxxxxx		12/26/25 3:36

Green Tracer Dye

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 04/01/2022 Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : Green Tracer Dye

1.2. Recommended use and restrictions on use

Recommended use : Plumbing tracing, flow mapping, rate-of-flow studies, pollution studies, storm and sewer analyses, retention time studies, septic system analysis, leak detection in fluid-carrying systems

1.3. Supplier

Sanco Industries, Inc.
1819 S. Calhoun Street
Fort Wayne, IN 46802
Phone: 260-426-6281
Toll Free: 888-697-2626

1.4. Emergency telephone number

Emergency number : 24 Hour Contact - CHEMTREC 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS-US labelling

No labelling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable – product is a mixture

3.2. Mixture

No ingredients that are classified as health hazards are present above their cutoff levels

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the product label where possible).

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects (acute and delayed)

Potential adverse human health effects : No additional information available

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Contain all water used for fire-fighting to the greatest extent possible.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Notify authorities if a significant amount of liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking, and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

No additional information available

8.3. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Respiratory protection : Wear appropriate mask.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Green

Odor : Odorless

Odor threshold : No data available

pH : 8.5 - 9.3

Melting point : No data available

Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	> 93.3 °C
Relative evaporation rate (butylacetate=1)	:	No data available
Flammability (solid, gas)	:	Non flammable
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	No data available
Solubility	:	Soluble in water.
Log Pow	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive limits	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:	Not classified
Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified
Potential adverse human health effects and symptoms	:	No additional information available
Symptoms/injuries	:	Not expected to present a significant hazard under anticipated conditions of normal use.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Green Tracer Dye	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Green Tracer Dye	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local, state, and federal regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not hazardous for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

SDS US (GHS HazCom 2012)

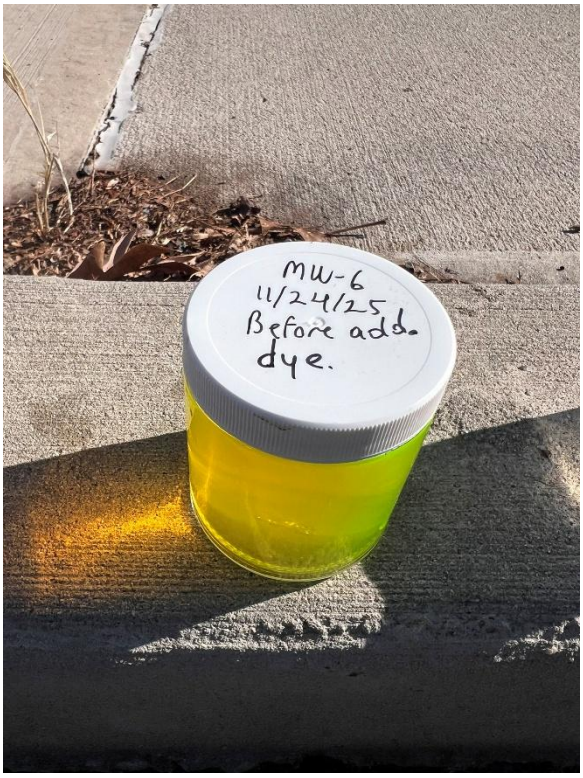
While Sanco Industries, Inc. believes the data set forth is accurate to the best of our knowledge, Sanco Industries, Inc. makes no warranties and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration and verification.



Photograph No. 1: GW dye test before dye was added to MW-11R (on-site well) 11-24-25



Photograph No. 2 GW dye test after dye was added to MW-11R (on-site well) 11-24-25



Photograph No. 3: GW dye test before dye was added to MW-6 (on-site well) 11-24-25



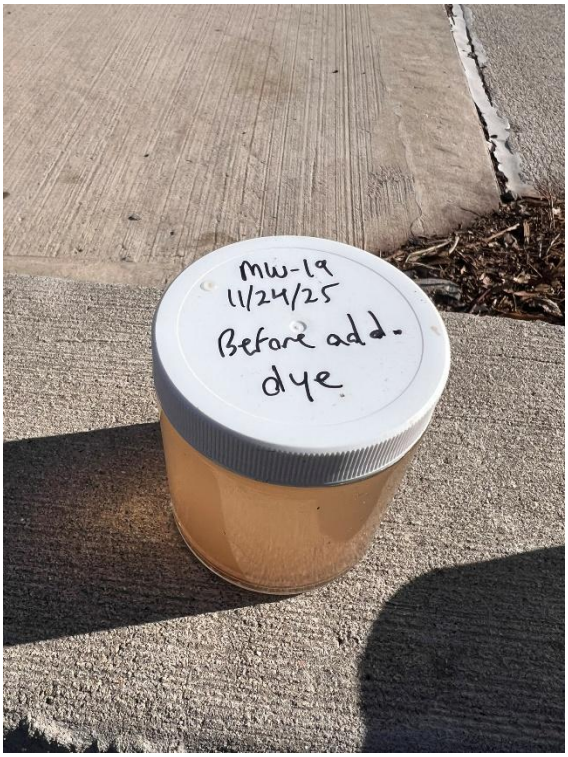
Photograph No. 4: GW dye test after dye was added to MW-6 (on-site well) 11-24-25



Photograph No. 5: Dye not present in MW-20 (off-site well) before dye was introduced to on-site wells. 11-24-25



Photograph No. 6: Dye not present in MW-20 after dye was added to on-site wells. 11-24-25



Photograph No. 7: Dye not present in MW-19 (off-site well) before dye was introduced to on-site wells. 11-24-25



Photograph No. 8: Dye not present in MW-19 (off-site well) after dye was introduced to on-site wells). 11-24-25

APPENDIX E

Groundwater/SSDS O&M Logs

SSSDS OPERATION AND MAINTENANCE LOG

Site Name:	Former CJ's Service Center (BCP Site No. C241043)
Street Address:	5801 Amboy Road
Location:	Staten Island
System:	Active Sub-Slab Depressurization System
Blower:	Ametek EN454W58ML 1.5 hp
Blower Range:	

INSPECTION ITEM DESCRIPTION	YES	Action Req.	COMMENTS/ACTION TAKEN
Is the system operating normally?		✓	Aboveground Influent PVC pipe observed to be disconnected/damaged from condensate knockout - needs replacement/repair
Are any warning lights on?	✓		
If there is an alarm condition, was it fixed, and system restarted?			N/A
Is the blower enclosure in good condition?	✓		
Is the vacuum filter in good condition?		✓	Filter needs replacement
Does the knock-out tank need to be drained (record amount of water drained)	✓		Approx. 1.125 gal of water drained
Are aboveground piping free of cracks, leaks, and support issues?		✓	Aboveground influent PVC pipe observed to be cracked/disconnected from condensate knockout - replacement/repair required
Is the float switch in the knockout drum operating properly?	✓		
Are vacuum/ pressure gauges at blower operating properly?			System off
List maintenance activities that were performed or other comments about the system	Aboveground Influent PVC pipe observed to be disconnected/damage - repair/replacement required		

Source of Reading	Units	Values	Comments
Blower Run Time	Hours	33666.4	
Vacuum at Aboveground Piping	In. of H2O	N/A	
Knock-out Tank Vacuum	In. of H2O	N/A	
Blower Inlet Vacuum	In. of H2O	0	
Blower Discharge Pressure	In. of H2O	0	
Blower Effluent PID Readings	PPM	0	
VPGAC Unit Effluent PID Readings	PPM	N/A	

Form Completed by: Angela DeVito **Date & Time:** 2/18/2026 1600

Signature: Angela DeVito

Impact Environmental Closures **1099 Wall Sreet W., Suite 250 B, Lyndhurst, NJ**

	Vacuum	PID
MP-1:	N/A	N/A
MP-2:	N/A	N/A
MP-3:	N/A	N/A

Effluent PID: N/A

No readings collected due to influent PVC pipe observed to be disconnected and needing repair

SSSDS OPERATION AND MAINTENANCE LOG

Site Name:	Former CJ's Service Center (BCP Site No. C241043)
Street Address:	5801 Amboy Road
Location:	Staten Island
System:	Active Sub-Salb Depressurization System
Blower:	Ametek EN454W58ML 1.5 hp
Blower Range:	

INSPECTION ITEM DESCRIPTION	YES ✓	Action Req.	COMMENTS/ACTION TAKEN
Is the system operating normally?	✓		
Are any warning lights on?			No
If there is an alarm condition, was it fixed, and system restarted?			N/A
Is the blower enclosure in good condition?	✓		
Is the vacuum filter in good condition?	✓		
Does the knock-out tank need to be drained (record amount of water drained)			No
Are aboveground piping free of cracks, leaks, and support issues?	✓		
Is the float switch in the knockout drum operating properly?	✓		
Are vacuum/ pressure gauges at blower operating properly?	✓		
List maintenance activities that were performed or other comments about the system	System appears to be operating properly. no alarms were observed and all PVC pipes are in good condition.		

Source of Reading	Units	Values	Comments
Blower Run Time	Hours	30295.1	
Vacuum at Aboveground Piping	In. of H2O	N/A	
Knock-out Tank Vacuum	In. of H2O	N/A	
Blower Inlet Vacuum	In. of H2O	-9	
Blower Discharge Pressure	In. of H2O	-5	
Blower Effluent PID Readings	PPM	0.0	
VPGAC Unit Effluent PID Readings	PPM	N/A	

Form Completed by: Luis Maldonado **Date & Time:** 6/16/25 - 10:10

Signature:

Impact Environmental Closures **1099 Wall Sreet W., Suite 250 B, Lyndhurst, NJ**

	Vacuum	PID
MP-1 =	-1.017	0.0
MP-2 =	-0.807	0.0
MP-3 =	-1.021	0.0

Effluent PID: 0.0

SSSDS OPERATION AND MAINTENANCE LOG

Site Name:	Former CJ's Service Center (BCP Site No. C241043)
Street Address:	5801 Amboy Road
Location:	Staten Island
System:	Active Sub-Salb Depressurization System
Blower:	Ametek EN454W58ML 1.5 hp
Blower Range:	

INSPECTION ITEM DESCRIPTION	YES ✓	Action Req.	COMMENTS/ACTION TAKEN
Is the system operating normally?	✓		
Are any warning lights on?			no.
If there is an alarm condition, was it fixed, and system restarted?			N/A
Is the blower enclosure in good condition?	✓		
Is the vacuum filter in good condition?	✓		
Does the knock-out tank need to be drained (record amount of water drained)			no
Are aboveground piping free of cracks, leaks, and support issues?	✓		
Is the float switch in the knockout drum operating properly?	✓		
Are vacuum/ pressure gauges at blower operating properly?	✓		
List maintenance activities that were performed or other comments about the system	none, system working properly		

Source of Reading	Units	Values	Comments
Blower Run Time	Hours		
Vacuum at Aboveground Piping	In. of H2O	N/A	
Knock-out Tank Vacuum	In. of H2O	N/A	
Blower Inlet Vacuum	In. of H2O	−8	
Blower Discharge Pressure	In. of H2O	−3	
Blower Effluent PID Readings	PPM	0.0	
VPGAC Unit Effluent PID Readings	PPM	N/A	

Form Completed by: Luis Maldonado **Date & Time:** 11:00 / 9/17/25

Signature: [signature]

Impact Environmental Closures PID

MP-1: −1.142 0.0
MP-2: −0.875 0.0
MP-3 −1.109 0.0

1099 Wall Sreet W., Suite 250 B, Lyndhurst, NJ

Effluent PID 0.0

SSSDS OPERATION AND MAINTENANCE LOG

Site Name:	Former CJ's Service Center (BCP Site No. C241043)
Street Address:	5801 Amboy Road
Location:	Staten Island
System:	Active Sub-Salb Depressurization System
Blower:	Ametek EN454W58ML 1.5 hp
Blower Range:	

INSPECTION ITEM DESCRIPTION	YES	Action Req.	COMMENTS/ACTION TAKEN
Is the system operating normally?			System was shut down 11/15/25 as required on SSDS canv. WP.
Are any warning lights on?	✓		"High Level" due To SSDS being off
If there is an alarm condition, was it fixed, and system restarted?			N/A
Is the blower enclosure in good condition?	✓		
Is the vacuum filter in good condition?		✓	filter needs To be replaced
Does the knock-out tank need to be drained (record amount of water drained)			no, Tank was empty.
Are aboveground piping free of cracks, leaks, and support issues?	✓		
Is the float switch in the knockout drum operating properly?	✓		
Are vacuum/ pressure gauges at blower operating properly?			System off.
List maintenance activities that were performed or other comments about the system	none.		

Source of Reading	Units	Values	Comments
Blower Run Time	Hours	33576.6	
Vacuum at Aboveground Piping	In. of H2O	N/A	
Knock-out Tank Vacuum	In. of H2O	N/A	
Blower Inlet Vacuum	In. of H2O	5	
Blower Discharge Pressure	In. of H2O	0	
Blower Effluent PID Readings	PPM	0	
VPGAC Unit Effluent PID Readings	PPM	N/A	

Form Completed by: _____ **Date & Time:** 11/24/25 – 14:15.

Signature: _____

Impact Environmental Closures 1099 Wall Sreet W., Suite 250 B, Lyndhurst, NJ

	diff press.	PID
MP-1	0.010	0.0
MP-2	0.005	0.0
MP-3	0.009	0.0

Effluent PID : 0.0 ppm

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Air/Soil Gas Sampling Form

Project #: 17518-01 Date: 12/16/25

Project Name: 5801 Ambay Rd Investigator: AD/LM

Type of Sample: (circle one)

(Indoor Air) Sub-Slab Soil Gas Ambient Air Soil Gas

Sample Location:

eastern
North corner of
back room / building

Canister Record:

Canister ID: 53443
Flow regulator ID: 6998
Sample duration: 8-hours.
Sampling rate: -

Sample ID: IA-1
Date/Time start: 12/16/25 - 6:48 AM
Date/Time end: 12/16/25 - 1440

Regulator:
Start pressure: 30 " Hg
End pressure: 5" Hg

Air temperature (°F): 68 °F
Barometric pressure: 30.21 inHg
PID reading (ppm): - 1.3 ppm

PID Meter: MiniRAE 3000
Vacuum/Air pump: -
Type/ft. tubing used: -

Noticeable odor:
Floor slab depth (ft.): -
Ground surface type: Concrete
Room:
Story/level: Ground level
Intake depth below floor (ft.): -

Analytical method required: TO-15
Laboratory used: Phoenix

Comments:

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Air/Soil Gas Sampling Form

Project #: 17518-01 Date: 12/16/25

Project Name: 5801 Amboy Road Investigator: AD/LM

Type of Sample: (circle one)

(Indoor Air) Sub-Slab Soil Gas Ambient Air Soil Gas

Sample Location:

Middle of building in back room

Canister Record:

Canister ID: 53445
Flow regulator ID: 3238
Sample duration: 8-hour
Sampling rate: -

Sample ID: IA-2
Date/Time start: 12/16/25 - 6:52 AM
Date/Time end: 12/16/25 - 1448

Regulator:
Start pressure: 29" Hg
End pressure: 5" Hg

Air temperature (°F): 68° F
Barometric pressure: 30.21 in Hg
PID reading (ppm): 0.9 ppm

PID Meter: mini Rae 3000
Vacuum/Air pump: -
Type/ft. tubing used: -

Noticeable odor: -
Floor slab depth (ft.): -
Ground surface type: Concrete
Room:
Story/level: Ground Level
Intake depth below floor (ft.): -

Analytical method required: TO-15
Laboratory used: Phoenix

Comments

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Air/Soil Gas Sampling Form

Project #: 17518-01 Date: 12/16/25

Project Name: 5801 Amboy Road Investigator: AD/LM

Type of Sample: (circle one)

(Indoor Air) Sub-Slab Soil Gas Ambient Air Soil Gas

Sample Location:

Southeastern
(AD) ~~Southern~~ corner of building
in back room

Canister Record:

Canister ID: 49198
Flow regulator ID: 10578
Sample duration: 8-hour
Sampling rate: -

Sample ID: IA-3
Date/Time start: 12/16/25 - 6:58AM
Date/Time end: 12/16/25 - 1450

Regulator:
Start pressure: 30" Hg
End pressure: 4" Hg

Air temperature (°F): 68°F
Barometric pressure: 30.21 in Hg
PID reading (ppm): 0.7ppm

PID Meter:
Vacuum/Air pump:
Type/ft. tubing used:

Noticeable odor:
Floor slab depth (ft.): -
Ground surface type: Concrete
Room:
Story/level: Ground Level
Intake depth below floor (ft.): -

Analytical method required: TO-15
Laboratory used: Phoenix

Comments:

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Air/Soil Gas Sampling Form

Project #: 17518-01
Date: 12/16/25
Project Name: 5801 Amboy Rd
Investigator: AD/LM

Type of Sample: (circle one)

Indoor Air | Sub-Slab Soil Gas | Ambient Air | Soil Gas

Sample Location:

northeastern corner of building

Canister Record:

Canister ID: 23336
Flow regulator ID: 7047
Sample duration: 8-hours.
Sampling rate: -

Sample ID: SS-1
Date/Time start: 12/16/25 - 7:19
Date/Time end: 12/16/25 15:12

Regulator: 7047
Start pressure: -32
End pressure: 5

Air temperature (°F): 68°F
Barometric pressure: 30.21 inHg
PID reading (ppm):

PID Meter: MiniRAE 3000
Vacuum/Air pump: -
Type/ft. tubing used: -

Noticeable odor: none
Floor slab depth (ft.): -
Ground surface type: Concrete
Room:
Story/level: ground level
Intake depth below floor (ft.):

Analytical method required: TO-15
Laboratory used: Phoenix

Comments:

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Air/Soil Gas Sampling Form

Project #: 17518-01 Date: 12/16/25

Project Name: 5801 Ambaye Rd Investigator: AD/LM

Type of Sample: (circle one)

Indoor Air (Sub-Slab Soil Gas) Ambient Air Soil Gas

Sample Location:

Middle of building in back room

Canister Record:

Canister ID: 53474
Flow regulator ID: 1315
Sample duration: 8-hours
Sampling rate: -

Sample ID: SS-2
Date/Time start: 12/16/25 - 7:05
Date/Time end: 12/16/25 +1 (A) 1501

Regulator: 1315
Start pressure: -30
End pressure: -7

Air temperature (°F): 68°F
Barometric pressure: 30.21 inHg
PID reading (ppm): 0.0 ppm

PID Meter: MiniRAE 3000
Vacuum/Air pump: -
Type/ft. tubing used: -

Noticeable odor: none
Floor slab depth (ft.): unknown
Ground surface type: concrete
Room: storage room (
Story/level: ground level.
Intake depth below floor (ft.): -

Analytical method required: TO-15
Laboratory used: Phoenix

Comments

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Air/Soil Gas Sampling Form

Project #: 17518-01 Date: 12/16/25

Project Name: 5801 Ambay Rd Investigator: AB/LM

Type of Sample: (circle one)

Indoor Air | (Sub-Slab Soil Gas) | Ambient Air | Soil Gas

Sample Location:

Southeastern side of building

Canister Record:

Canister ID: 7635
Flow regulator ID: 10554
Sample duration: 8-hours
Sampling rate: -

Sample ID: [redacted] SS-3
Date/Time start: 12/16/25 - 6:50
Date/Time end: 12/16/25 - 1444

Regulator: 10554
Start pressure: -30
End pressure: 6" Hg

Air temperature (°F):
Barometric pressure: 30.21 inHg
PID reading (ppm): 0.1 ppm

PID Meter: MiniRAE 3000
Vacuum/Air pump:
Type/ft. tubing used:

Noticeable odor: none
Floor slab depth (ft.): unknown
Ground surface type: concrete
Room: storage room (Hallway)
Story/level: ground level
Intake depth below floor (ft.):

Analytical method required: TO-15
Laboratory used: Phoenix

Comments

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Air/Soil Gas Sampling Form

Project #: 17518-01. Date: 12/16/25

Project Name: 5801 Ambay Rd Investigator: AB/LM

Type of Sample: (circle one)

Indoor Air | Sub-Slab Soil Gas | (Ambient Air) | Soil Gas

Sample Location:

Front of building near front entrance.

Canister Record:

Canister ID: 23872
Flow regulator ID: 10656
Sample duration: 8-hours
Sampling rate: -

Sample ID: AA-1
Date/Time start: 12/16/25 - 7:26
Date/Time end: 12/16/25 - 15:17

Regulator: 10656
Start pressure: -30
End pressure: -5

Air temperature (°F): 20°F
Barometric pressure: 30.21 inHg
PID reading (ppm): -

PID Meter: MiniRAE 3000
Vacuum/Air pump: -
Type/ft. tubing used: -

Noticeable odor: none
Floor slab depth (ft.): -
Ground surface type: concrete.
Room: front of building
Story/level: ground level.
Intake depth below floor (ft.): -

Analytical method required: TO-15
Laboratory used: Phoenix

Comments

Soil Vapor Intrusion - Structure Sampling Building Questionnaire **Structure ID :** _____

Site No. : C243041 **Site Name :** Former CJ's Service Center Property

Date: 12/16/25 **Time:** 7:00

Structure Address : 5801 Amboy Rd.

Preparer's Name & Affiliation : Luis Maldonado / Impact.

Residential ? ☐ Yes ☒ No **Owner Occupied ?** ☐ Yes ☒ No **Owner Interviewed ?** ☒ Yes ☐ No

Commercial ? ☒ Yes ☐ No **Industrial ?** ☐ Yes ☐ No **Mixed Uses ?** ☐ Yes ☐ No

Identify all non-residential use(s) : coffee shop

Owner Name : Andy Gonchar Shareta Share Foste, LLC **Owner Phone :** (917) 903 - 1695

Secondary Owner Phone : (718) 304 - 5086

Owner Address (if different) : 14 Foster Rd Staten

Occupant Name : Starbucks Coffee **Occupant Phone :** (718) 559 - 4012

Secondary Occupant Phone : ( ) _____ - _____

Number & Age of All Persons Residing at this Location : N/A (commercial property)

Additional Owner/Occupant Information : -

Describe Structure (style, number floors, size) : one-story commercial building.

Approximate **Year Built :** 2020 Is the building **Insulated?** ☒ Yes ☐ No

Lowest level : ☒ Slab-on-grade ☐ Basement ☐ Crawlspace

Describe Lowest Level (finishing, use, time spent in space) : one-story, coffee shop, occupied approx. 16 hours a day.

Floor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed : _____

Floor Condition : ☒ Good (few or no cracks) ☐ Average (some cracks) ☐ Poor (broken concrete or dirt)

Sumps/Drains? ☒ Yes ☐ No Describe : sump pump and fiber drains

Identify other floor penetrations & details : floor drain and sump pump located in northeast corner of kitchen/storage area.

Wall Construction : ☐ Concrete Block ☐ Poured Concrete ☐ Laid-Up Stone Stucco

Identify any wall penetrations : eight (8) A/C-heating vents located in front portion of building, above front windows

Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : none observed

Heating Fuel : ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other : _____

Heating System : ☒ Forced Air ☐ Hot Water ☐ Other : _____

Hot Water System : ☐ Combustion ☐ Electric ☒ Boilermate ☐ Other: Two water heaters. located on northeastern corner of building

Clothes Dryer : ☐ Electric ☐ Gas Where is dryer **vented** to? NA

If combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.) : NA

Fans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : _____

Vents located in front wall of building above front windows.

4

Soil Vapor Intrusion - Structure Sampling Building Questionnaire **Structure ID :** _____

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

no chemical use, no unvented heaters, no smoking

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☒ No

New carpet or furniture ? ☐ Yes ☒ No What/Where ? NA

Recent **painting** or **staining** ? ☐ Yes ☒ No Where ? : NA

Any **solvent** or **chemical-like** odors ? ☐ Yes ☒ No Describe : NA

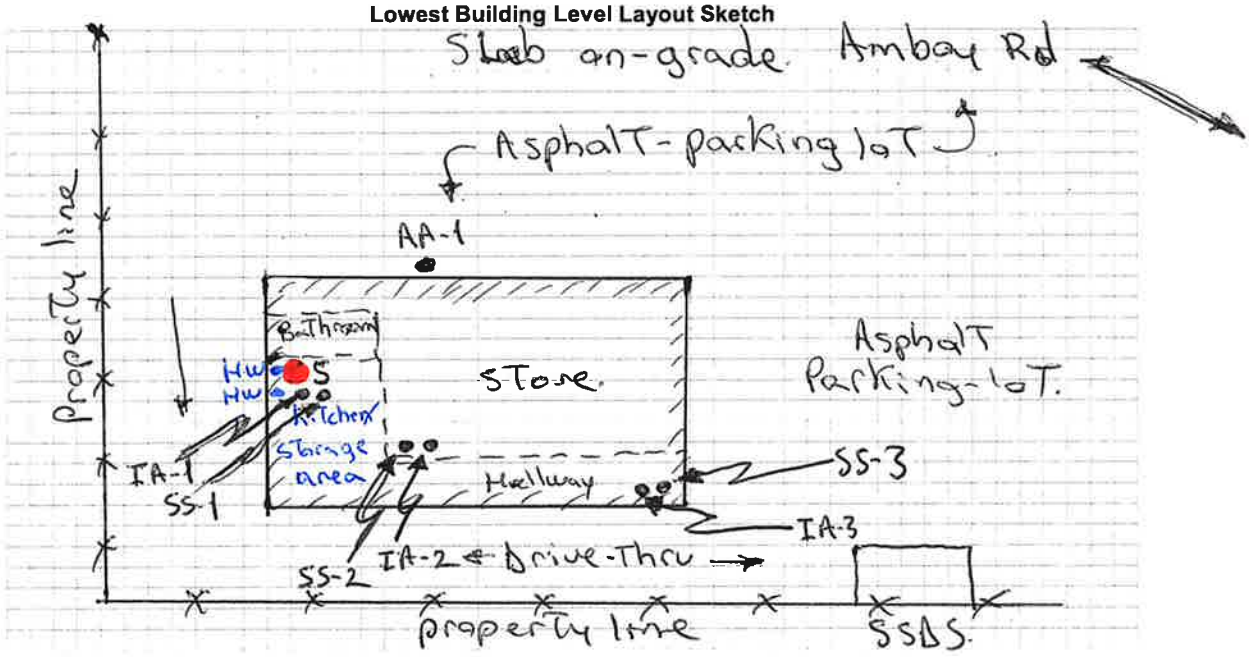
Last time **Dry Cleaned** fabrics brought in ? NA What / Where ? _____

Do any building occupants use solvents at work ? ☐ Yes ☒ No Describe : _____

Any testing for Radon ? ☐ Yes ☒ No Results : NA

Radon System/Soil Vapor Intrusion Mitigation System present ? ☒ Yes ☐ No If yes, describe below

Lowest Building Level Layout Sketch



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or **F**	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	**xxxxxxx**	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	**######**	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Structure Sampling - Product Inventory

Homeowner Name & Address: _____ **Date:** 12/16/25

Samplers & Company: Angela DeVito / Luis Maldonado - Impact Environmental **Structure ID:** _____

Site Number & Name: IEC# 17518 5801 Amboy Road, Staten Island, NY **Phone Number:** _____

Make & Model of PID: Mini Rae 3000 **Date of PID Calibration:** _____

Identify any Changes from Original Building Questionnaire : _____

Product Name/Description	Quantity	Chemical Ingredients	PID Reading	Location
Specialty Cleaner & Polish	4 (1 open)	water, 7732-18-5; distillates (petroleum), hydrotreated heavy paraffinic, 64742-54-7; Sorbitan oleate, 1338-43-8; sorbitan trioleate, 26266-58-0	1.3 ppm	North ~~East~~ corner of back room
All Surface Floor Cleaner	5 closed	water, 7732-18-5; triethanolamine, 102-71-6; Sodium dodecylbenzene sulfonate, 25155-30-0; poly (oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, 34398-01-1; dodecylbenzenesulphonic acid, Compound with 2,2',2''-nitrilotriethanol (1:1), 27323-41-7	-	
Lotion Hand Soap	5 closed	water, Sodium Laureth Sulfate, Sodium chloride, glycerine, Cocamidopropyl betaine, Sodium lauryl Sulfate, ethanol, caprylic/capric glycerides, fragrance, Polyquaternium-7, methylchloroisothiazolinone, C117200, methylisothiazolinone, C.I 19140, magnesium nitrate, magnesium chloride	-	
Machine Warewashing detergent	8 closed	water, 7732-18-5; potassium carbonate, 584-08-7; trisodium dicarboxymethyl alaninate, 164462-16-2; potassium polyacrylate, 29608-12-2; 2-Phosphonobutane-1,2,4-tricarboxylic acid, Sodium Salt, 40372-66-5	-	
Oil Click San™ Disinfectant/Sanitizer	2 closed	Octyl decyl dimethyl ammonium chloride, dioctyl dimethyl ammonium chloride, didecyl dimethyl ammonium chloride, alkyl dimethyl benzyl ammonium chloride, other ingredients	-	
Ultra Concentrated Pot & Pan Detergent	2 closed	not listed	-	
Sani Professional No-Rinse Sanitizing Multi-Surface Wipes	15 closed	Didecyl dimethyl ammonium chloride; alkyl dimethyl benzyl ammonium chloride; dimethyl benzyl ammonium chloride; other ingredients	-	
Daily Beverage Tower Draw Cleaner	1 closed	water; glycerin; Sodium citrate; glucanase, endo-(3-1,4)-.beta.-; sodium hydroxide	-	
Oven Cleaner	6 closed	water, 7732-18-5; Sodium polyacrylate, 9003-04-7; tetrasodium glutamate diacetate, 51981-21-6; alcohols, C10-14, ethoxylated, 66455-15-0; sodium citrate, 18996-35-5; monoethanolamine, 141-43-5; sodium hydroxide, 1310-73-2	-	
ThermoPlan Espresso Machine Cleaning Tablets	2 closed	Urnex.com Sodium carbonate; sodium percarbonate; Phosphorous	-	
Goo Gone	2 closed	Petroleum distillates and d-limonene	-	
Restroom Cleaner	1 can 1 box	water, 7732-18-5; sodium hydroxide, 1310-73-2	-	
Kay® Multipurpose Cleaner	2 boxes	Sodium carbonate; citric acid; poly(oxy-1,2-ethanediyl), alpha.-(phenylmethyl)-.omega.-hydroxy-; sodium carbonate peroxide;	-	
Urn & Brewer Cleaner	1 box	polyethylene glycol Sodium Carbonate	-	
Kay® Sanitizer/Cleaner	1 bag	Sodium Dichloro-s-triazinetrione dihydrate, other ingredients	-	

closed

LOW FLOW SAMPLING
DATA SHEET

SHEET OF

SITE: 5801 Amboy Rd.
DATE: 11/24/25
WEATHER: Sunny 47°F

CONSULTING FIRM: Impact Environmental
FIELD PERSONNEL: LM

MONITOR WELL #: MW-19
WELL PERMIT #:

WELL DEPTH: ~~20~~ 17.98
WELL DIAMETER: 2 Inches

SCREENED/OPEN INTERVAL:

PID/FID READINGS (ppm):
BACKGROUND:
BENEATH OUTER CAP:
BENEATH INNER CAP:

PUMP INTAKE DEPTH: 10 ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION : ft below TOC

TIME	PURGING	SAMPLING	pH (pH units) READING	pH CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	REDOX POTENTIAL (mv) READING	REDOX POTENTIAL CHANGE*	DISSOLVED OXYGEN (mg/l) READING	DISSOLVED OXYGEN CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
10:25	/		6.46		1.01		389		21.98		25.3		15.46		250	
10:30	/		5.72		0.921		405		11.44		0.1		15.80		250	
10:35	/		5.79		0.917		400		10.56		0.0		15.79		250	
10:40	/		5.81		0.917		398		10.76		0.0		15.78		250	
10:45	/		5.79		0.916		395		10.08		0.0		15.77		250	
10:50		/														

COMMENTS: Sample @ 10:50
DUP- 112425 collected from MW-19 @ 10:55

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING
DATA SHEET

SHEET OF

SITE: 5801 Amboy Rd SI
DATE: 11/24/25
WEATHER: Sunny 49°F

CONSULTING FIRM: Impact Environmental
FIELD PERSONNEL: LM

MONITOR WELL #: MW-6
WELL PERMIT #:

WELL DEPTH: 14.70
WELL DIAMETER: 2 Inches

SCREENED/OPEN INTERVAL:

PID/FID READINGS (ppm):
BACKGROUND:
BENEATH OUTER CAP:
BENEATH INNER CAP:

PUMP INTAKE DEPTH: ft below TOC 8.52
DEPTH TO WATER BEFORE PUMP INSTALLATION : ft below TOC

TIME	PURGING	SAMPLING	pH (pH units) READING	pH CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	REDOX POTENTIAL (mv) READING	REDOX POTENTIAL CHANGE*	DISSOLVED OXYGEN (mg/l) READING	DISSOLVED OXYGEN CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
12:20	/		7.82		0.734		126		7.21		88.3		17.76		250	
12:25	/		7.77		0.733		127		6.64		63.3		17.79		250	
12:30	/		7.60		0.733		131		6.10		32.6		17.82		250	
12:35	/		7.48		0.734		132		5.75		2.6		17.86		250	
12:40	/		7.40		0.734		133		5.46		0.1		17.86		250	
12:45		/														

COMMENTS:

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING
DATA SHEET

SHEET _ OF _

SITE: 5801 Amboy Rd SF
DATE: 11/24/25
WEATHER: Sunny 48°F

CONSULTING FIRM: Impact Environmental
FIELD PERSONNEL: LM

MONITOR WELL #: MW-11R
WELL PERMIT #:

WELL DEPTH: 20.27
WELL DIAMETER: 2- Inches

SCREENED/OPEN INTERVAL:

PID/FID READINGS (ppm): BACKGROUND: 0
BENEATH OUTER CAP:
BENEATH INNER CAP:

PUMP INTAKE DEPTH: _ ft below TOC 6.93
DEPTH TO WATER BEFORE PUMP INSTALLATION : ___ ft below TOC

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
11:45	✓		6.82		1.54		79		6.02		0.3		18.69		250	
11:50	✓		6.79		1.56		44		5.36		0.0		18.80		250	
11:55	✓		6.82		1.57		39		5.34		0.0		18.85		250	
12:00	✓		6.82		1.57		39		5.05		0.0		18.90		250	
12:05	✓		6.83		1.57		39		5.09		0.0		18.98		250	
12:10		✓														

COMMENTS: High PID readings, strong petroleum odor; however, no sheen observed during purging or on sample. GW clear. Sample 12:10

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING
DATA SHEET

SHEET OF

SITE: 5801 Amboy Rd SI
DATE: 11/24/25
WEATHER:

CONSULTING FIRM: Impact Environmental
FIELD PERSONNEL: LM

MONITOR WELL #: MW-20
WELL PERMIT #:

WELL DEPTH: 20.10
WELL DIAMETER: 2" Inches

SCREENED/OPEN INTERVAL:

PID/FID READINGS (ppm):
BACKGROUND: 0.0
BENEATH OUTER CAP: 0.0
BENEATH INNER CAP: 0.0

PUMP INTAKE DEPTH: ft below TOC 9.05
DEPTH TO WATER BEFORE PUMP INSTALLATION : ft below TOC

TIME	PURGING	SAMPLING	pH (pH units) READING	pH CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	REDOX POTENTIAL (mv) READING	REDOX POTENTIAL CHANGE*	DISSOLVED OXYGEN (mg/l) READING	DISSOLVED OXYGEN CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
11:05	✓		6.88		0.832		318		9.98		0.9		16.94		250	
11:10	✓		6.87		0.828		318		9.51		0.0		17.07		250	
11:15	✓		6.85		0.825		319		9.34		0.0		17.22		250	
11:20	✓		6.84		0.823		319		9.41		0.0		17.31		250	
11:25	✓		6.81		0.824		323		9.46		0.0		17.71		250	
11:30		✓														

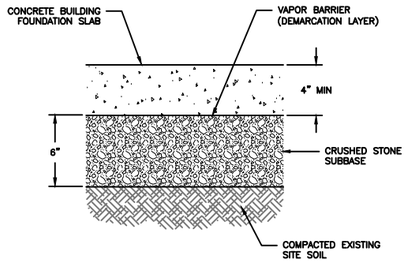
COMMENTS: Sampled @ 11:30 GW clear during purging and on sample. no PID readings, no odor or sheen observed

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

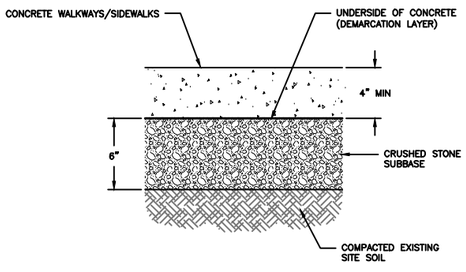
PLATES

NOTES

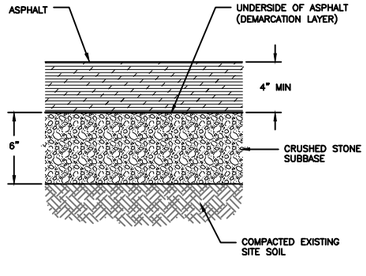
1. BASE MAP ADAPTED FROM MAP SURVEY OF PROPERTY IN THE BOROUGH OF STATEN ISLAND, CITY OF NEW YORK GENERATED BY RAJAKARUNA & ETTLINGER P.C. CONSULTING ENGINEERS AND CITY SURVEYORS JANUARY 1, 2015).
2. ALL LANDSCAPED AREAS HAVE TWO FEET OF SOIL MEETING THE LOWER OF THE PROTECTION OF GROUNDWATER OR COMMERCIAL SCOs OVER A DEMARCATION LAYER.
3. SEE PLATE 3, FOR SSDS DESIGN.
4. SEALANT SYSTEM FOR SHEET PILE WALL IS ADEKA" ULTRASEAL P-201 SEALANT.
5. THE TRACK 4 REMEDY IS RESTRICTED RESIDENTIAL USE (AND LESS RESTRICTIVE USES, INCLUDING COMMERCIAL USE, AS DENIED IN 6 NYCRR PART 375).
6. MW/BP-11 WAS DESTROYED AND REPLACED BY MW-11R.



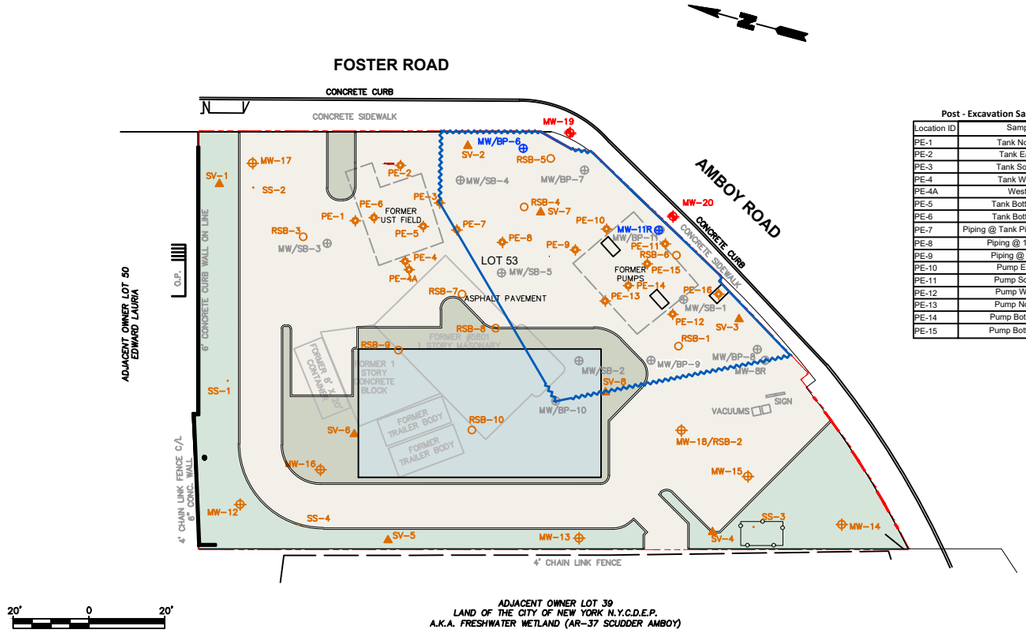
1 **SITE COVER SYSTEM: CONCRETE BUILDING FOUNDATION**
SCALE: NOT TO SCALE



2 **SITE COVER SYSTEM: CONCRETE WALKWAYS/SIDEWALKS**
SCALE: NOT TO SCALE



3 **SITE COVER SYSTEM: ASPHALT PARKING AREAS**
SCALE: NOT TO SCALE

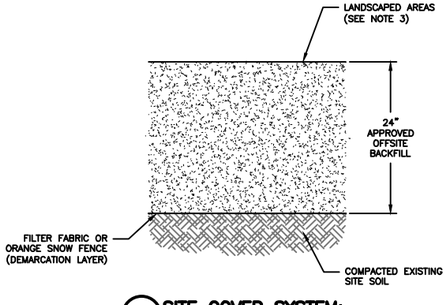


Post - Excavation Sample Key

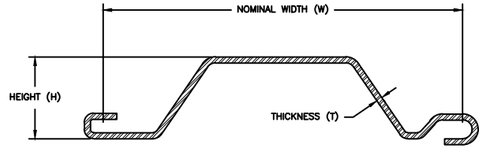
Location ID	Sample ID
PE-1	Tank North Wall
PE-2	Tank East Wall
PE-3	Tank South Wall
PE-4	Tank West Wall
PE-4A	West Wall
PE-5	Tank Bottom South
PE-6	Tank Bottom North
PE-7	Piping @ Tank Pit / Piping at Tank
PE-8	Piping @ 15 Tank Pit
PE-9	Piping @ Pump Pit
PE-10	Pump East Wall
PE-11	Pump South Wall
PE-12	Pump West Wall
PE-13	Pump North Wall
PE-14	Pump Bottom North
PE-15	Pump Bottom South

LEGEND

- BOUNDARY OF BROWNFIELD CLEANUP SITE
- MW/SB-1 — LOCATION AND DESIGNATION OF MONITORING WELL/SOIL BORING (INSTALLED BY TYREE BROTHERS) – ABANDONED
- MW-12 — LOCATION AND DESIGNATION OF MONITORING WELL INSTALLED BY ROUX ASSOCIATES (2015) – ABANDONED
- SV-1 — LOCATION AND DESIGNATION OF SOIL VAPOR SAMPLE POINT INSTALLED BY ROUX ASSOCIATES (2015)
- RSB-5 — LOCATION AND DESIGNATION OF SOIL BORING INSTALLED BY ROUX ASSOCIATES (2015)
- SS-1 — LOCATION AND DESIGNATION OF SHALLOW SOIL SAMPLE (0-2 INCHES) INSTALLED BY ROUX ASSOCIATES (2015)
- PE-1 — LOCATION AND DESIGNATION OF POST-EXCAVATION SAMPLE COLLECTED BY ROUX ASSOCIATES (2015 AND 2018)
- MW/BP-6 — LOCATION AND DESIGNATION OF EXISTING MONITORING WELL (INSTALLED BY TYREE BROTHERS) – MAINTAINED AND USED FOR INTRODUCTION OF DYE
- MW-20 — LOCATION AND DESIGNATION OF OFF-SITE MONITORING WELL
- EXTENT OF 2015 IRM EXCAVATION AREA
- SEALED SHEET PILE CONTAINMENT WALL TO 25 FT BLS FOR PETROLEUM SOURCE AREA (SEE DETAIL 5 AND NOTE 5)
- SITE COVER SYSTEM: CONCRETE BUILDING FOUNDATION (SEE DETAIL 1)
- SITE COVER SYSTEM: CONCRETE WALKWAYS AND SIDEWALKS (SEE DETAIL 2)
- SITE COVER SYSTEM: ASPHALT PARKING AREAS (SEE DETAIL 3)
- SITE COVER SYSTEM: LANDSCAPED AREAS (SEE DETAIL 4 AND NOTE 2)
- NE — INDICATES NO EXCEEDANCES OF THE NYSDEC COMMERCIAL SCOs
- SSDS EQUIPMENT ENCLOSURE WITH CHAINLINK PRIVACY FENCE (SEE NOTE 3)
- SITE REDEVELOPMENT FEATURES
- 2018 UST REMOVAL AREA
- IRM — INTERIM REMEDIAL MEASURE
- UST — UNDERGROUND STORAGE TANK
- SSDS — SUB-SLAB DEPRESSURIZATION SYSTEM
- FT BLS — FEET BELOW LAND SURFACE (PRE-REMEDIATION/PRE-CONSTRUCTION)



4 **SITE COVER SYSTEM: LANDSCAPED AREAS**
SCALE: NOT TO SCALE



PHYSICAL PROPERTIES

SECTION	THICKNESS T IN (mm)	HEIGHT H IN (mm)	NOMINAL WIDTH W IN (mm)
SCZ 14	.250	10	28.50

5 **SEALED SHEET PILE CONTAINMENT WALL**
SCALE: NOT TO SCALE

NOTES:

1. FROM "AS-BUILT TRACK 4 REMEDY" PREPARED BY ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C. DATED MAY 9, 2023.

AS-BUILT TRACK 4 REMEDY

5801 Amboy Road
Staten Island, New York

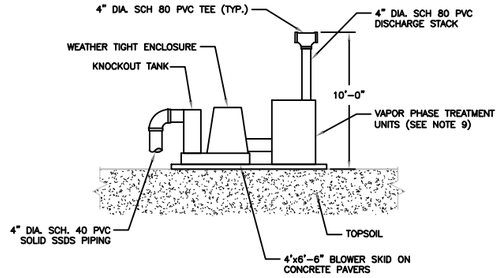
PLATE NO: 01

PROJECT NO.	17518-01
DESIGNED BY:	AB
DRAWN BY:	AB
CHECKED BY:	LM
DATE:	4/15/2024
SCALE:	AS SHOWN

REVISIONS

IMPACT ENVIRONMENTAL CLOSURES, INC.

170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800
FAX (631) 269-1599



1 AS-BUILT SUB-SLAB DEPRESSURIZATION SYSTEM

SCALE: NOT TO SCALE

AS-BUILT NOTES

1. THE SURFACES LINED WITH GEOTEXTILE AND POLYETHYLENE VAPOR BARRIER WERE FREE OF ALL ROCKS, STONES, SHARP OBJECTS OR CONSTRUCTION DEBRIS OF ANY KIND PRIOR TO PLACEMENT.
2. GEOTEXTILE NONWOVEN FABRIC AND POLYETHYLENE VAPOR BARRIER WERE INSTALLED DIRECTLY ON FILL OR STONE. GEOTEXTILE MATERIAL OVERLAPPED A MINIMUM OF 12" AND THE OVERLAPPED SEAMS WERE SEALED WITH TAPE. VAPOR BARRIER OVERLAPPED A MINIMUM OF 6" AND WERE SEALED WITH PRESSURE SENSITIVE TAPE.
3. ALL PENETRATIONS THROUGH THE SLAB ON GRADE WERE SEALED USING A SILICONE BASED WATERPROOF SEALANT.
4. ELECTRICAL CONDUIT WAS SIZED FOR 230 VOLT, SINGLE PHASE, 30 AMPS, 60 HZ, FOR BLOWER MOTOR.
5. THE BLOWER DISCHARGE IS LOCATED A MINIMUM OF 10 FEET FROM HVAC AIR INLETS AND 10 FEET ABOVE GRADE.
6. THE BLOWER IS A 1.5 HP, AMETEK ROTRON® MODEL EN454AX58ML.
7. THE BLOWER IS PROVIDED WITH A WEATHER TIGHT ENCLOSURE (FRP MOLDED SHELTER) DWYER MODEL D-100HDS.
8. THE BLOWER SKID INCLUDES WEATHER TIGHT ENCLOSURE, 7 GALLON AMETEK ROTRON MODEL MS200P KNOCKOUT TANK (WITH HIGH LEVEL ALARM), VACUUM RELIEF VALVE, GAUGES, AND INTERCONNECTING PIPING/FITTINGS (INCLUDING A MANUAL DILUTION VALVE).
9. VAPOR PHASE TREATMENT UNITS MAY BE REQUIRED DEPENDING ON STARTUP TEST RESULTS. SPACE IS AVAILABLE FOR THE VAPOR PHASE TREATMENT. IF REQUIRED, THE VAPOR PHASE TREATMENT UNITS SHALL BE TWO CARBTROL G-2 (24-INCH DIAMETER BY 3 FT TALL) OR APPROVED EQUAL.
10. BLOWER HAS A REMOTE ALARM CAPABLE OF ALERTING THE OWNER OF A SYSTEM SHUTDOWN OR LOW VACUUM CONDITION VIA PHONE OR TEXT MESSAGE.

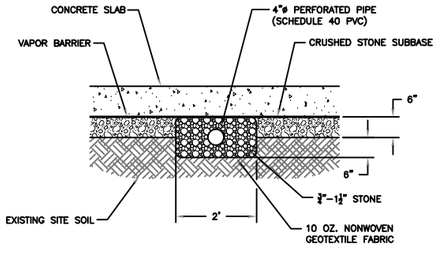
GENERAL NOTES

1. BASE MAP ADAPTED FROM MAP SURVEY OF PROPERTY IN THE BOROUGH OF STATEN ISLAND, CITY OF NEW YORK GENERATED BY RAJAKARUNA & ETTLINGER P.C. CONSULTING ENGINEERS AND CITY SURVEYORS JANUARY 1, 2015).
2. SUB-SLAB MONITORING POINTS TO BE USED FOR MEASURING SUB-SLAB VACUUM.
3. THICKENED CONCRETE WAS INCLUDED AT THE PORTION OF THE BUILDING SLAB THAT OVERHANGS THE SEALED SHEET PILE CONTAINMENT WALL. THIS ISOLATES THAT AREA FROM THE REST OF THE BUILDING TO PREVENT DRAWING VAPORS FROM THE PETROLEUM SOURCE AREA. SEE SECTION A-A' ON THIS SHEET.

SSDS – SUB-SLAB DEPRESSURIZATION SYSTEM

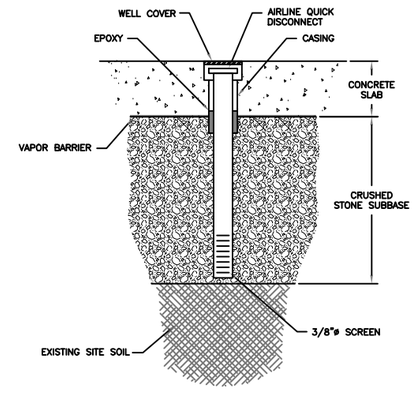
PVC– POLYVINYL CHLORIDE

FT BLS – FEET BELOW LAND SURFACE (PRE-REMEDIATION/PRE-CONSTRUCTION)



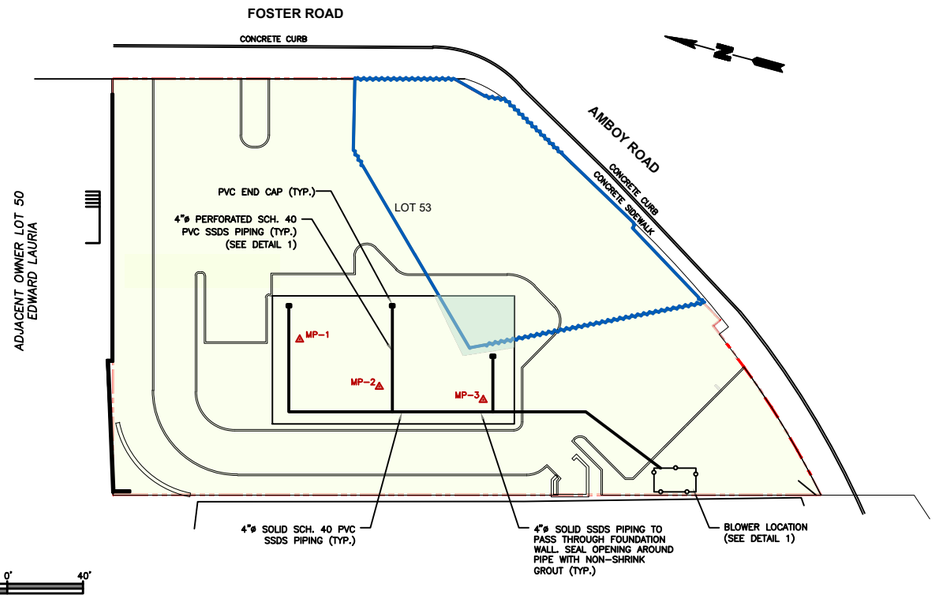
2 AS-BUILT SUB-SLAB DEPRESSURIZTION SYSTEM PIPE DETAIL

SCALE: NOT TO SCALE



3 AS-BUILT SUB-SLAB MONITORING POINT DETAIL (SEE GENERAL NOTE 2)

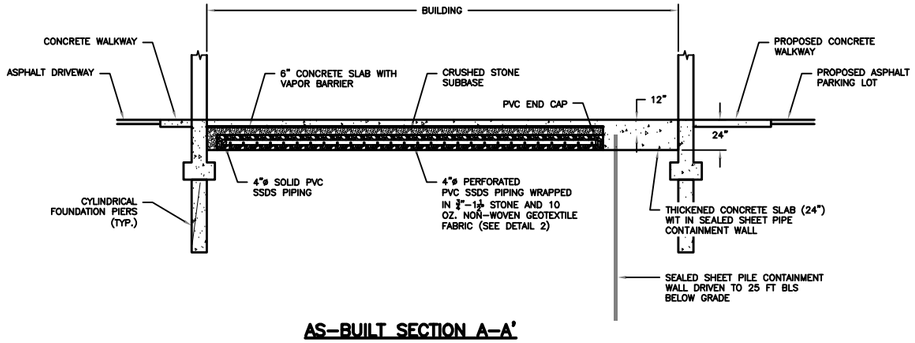
SCALE: NOT TO SCALE



ADJACENT OWNER LOT 39
LAND OF THE CITY OF NEW YORK N.Y.C.D.E.P.
A.K.A. FRESHWATER WETLAND (AR-37 SCUDDER AMBOY)

LEGEND

- BOUNDARY OF BROWNFIELD CLEANUP SITE
- SEALED SHEET PILE CONTAINMENT WALL TO 25 FT BLS FOR PETROLEUM SOURCE AREA
- SSDS EQUIPMENT ENCLOSURE WITH CHAINLINK PRIVACY FENCE
- SITE REDEVELOPMENT FEATURES
- SITE COVER SYSTEM
- THICKENED CONCRETE SLAB (24") WITHIN SEALED SHEET PILE CONTAINMENT WALL (SEE GENERAL NOTE 3 AND SECTION A-A')
- LOCATION OF SUB-SLAB MONITORING POINT



AS-BUILT SECTION A-A'

SCALE: NOT TO SCALE

NOTES:

1. FROM "AS-BUILT SUB-SLAB DEPRESSURIZATION SYSTEM" PREPARED BY ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C. DATED MAY 9, 2023.

AS-BUILT SUB-SLAB DEPRESSURIZATION SYSTEM

5801 Amboy Road
Staten Island, New York

PLATE NO: 02

PROJECT NO.	17518-01
DESIGNED BY:	AB
DRAWN BY:	AB
CHECKED BY:	LM
DATE:	4/15/2024
SCALE:	AS SHOWN

REVISIONS

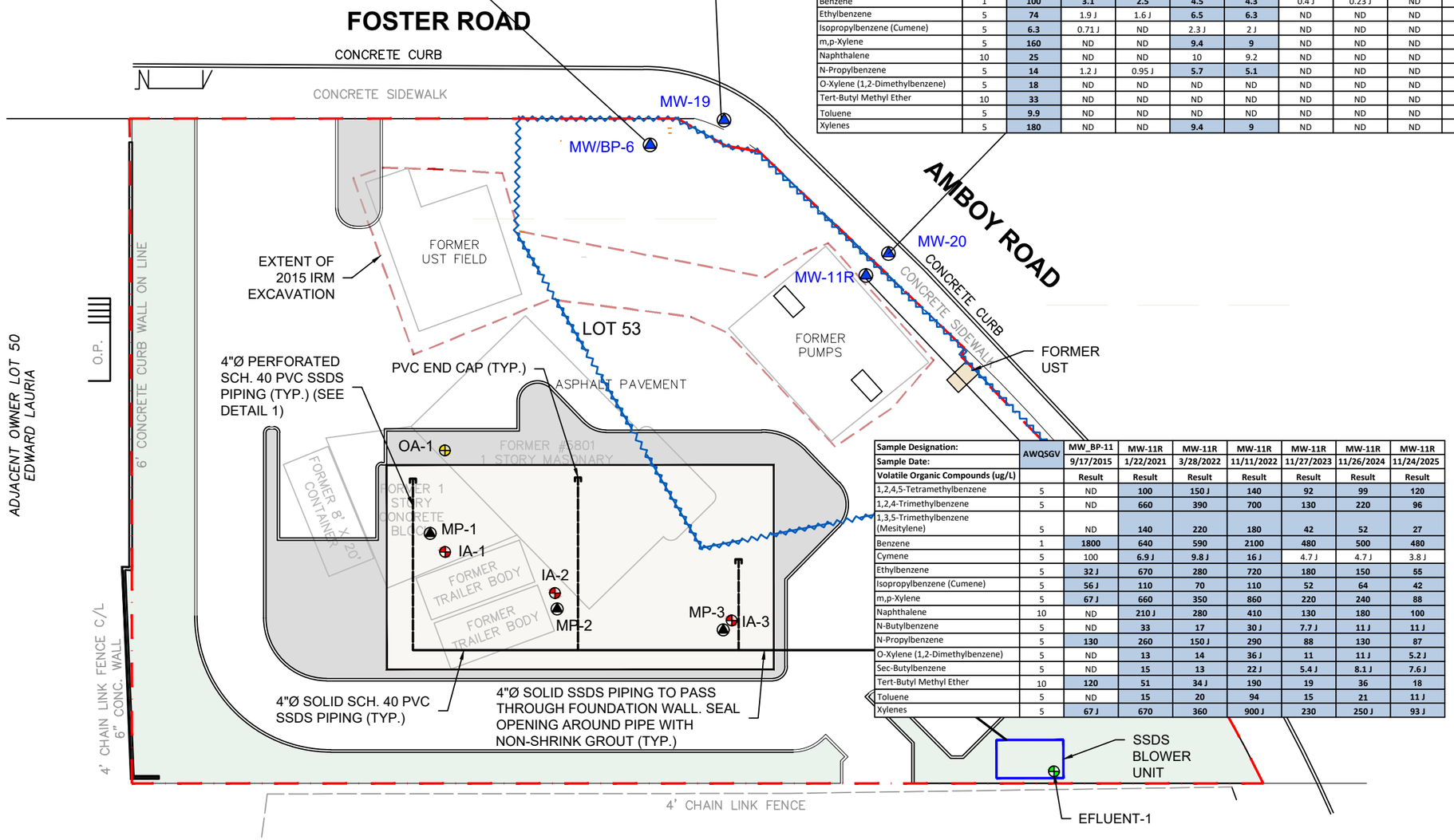
IMPACT ENVIRONMENTAL CLOSURES, INC.

170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800
FAX (631) 269-1599

Sample Designation:	AWQSGV	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Sample Date:		9/16/2015	1/22/2021	3/28/2022	11/11/2022	11/11/2022	11/27/2023	11/26/2024	11/24/2025
Volatile Organic Compounds (ug/L)		Result	Result	Result	Result	Result	Result	Result	Result
1,2,4,5-Tetramethylbenzene	5	**31 J**	2	ND	**5.7**	**5.3**	1.2 J	1.1 J	ND
1,2,4-Trimethylbenzene	5	**200**	4.8	**7.3**	4.8	4.6	ND	ND	ND
1,3,5-Trimethylbenzene (Mesitylene)	5	**36 J**	2 J	4.2	0.71 J	ND	ND	ND	ND
Benzene	1	**2700**	**26**	**6.4**	**86**	**89**	**35**	1	0.21 J
Ethylbenzene	5	**540**	**5.9**	3.6	**25**	**23**	4.6	ND	ND
Isopropylbenzene (Cumene)	5	**27 J**	1.5 J	2.8	**23**	**22**	**19**	**13**	1.6 J
m,p-Xylene	5	**500**	**12**	4.7	**5.1**	4.5	1.9	ND	ND
Naphthalene	10	**190**	1.1 J	6.1	3.5	3.2	1.8	0.96 J	ND
N-Propylbenzene	5	**64**	2.5	**6.7**	**45**	**44**	**37**	**14**	1.2 J
O-Xylene (1,2-Dimethylbenzene)	5	**20 J**	2.3 J	ND	**16**	**19**	4.5	ND	ND
Tert-Butyl Methyl Ether	10	**97**	0.97 J	ND	4.4	4	5.6	2.6	0.87 J
Toluene	5	**55**	1.2 J	ND	3.1	3.1	2.8	ND	ND
Xylenes	5	**520 J**	**14 J**	4.7	**21**	**24**	**6.4**	ND	ND

Sample Designation:	AWQSGV	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19
Sample Date:		5/11/2017	5/11/2017	1/22/2021	3/28/2022	11/11/2022	11/27/2023	11/26/2024	11/24/2025
Volatile Organic Compounds (ug/L)		Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloroethane	0.6	0.59	**0.62**	ND	ND	ND	ND	ND	ND
Benzene	1	**3.5**	**3.5**	ND	ND	ND	ND	ND	ND

Sample Designation:	AWQSGV	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20
Sample Date:		5/11/2017	1/22/2021	1/22/2021	3/28/2022	3/28/2022	11/11/2022	11/27/2023	11/26/2024	11/24/2025
Volatile Organic Compounds (ug/L)		Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2,4,5-Tetramethylbenzene	5	**8**	ND	ND	**5.1**	ND	1.1 J	ND	ND	ND
1,2,4-Trimethylbenzene	5	**110**	1.2 J	1 J	**13**	**12**	ND	ND	ND	ND
1,3,5-Trimethylbenzene (Mesitylene)	5	**27**	ND	ND	**7.4**	**6.6**	ND	ND	ND	ND
Benzene	1	**100**	**3.1**	**2.5**	**4.5**	**4.3**	0.4 J	0.23 J	ND	ND
Ethylbenzene	5	**74**	1.9 J	1.6 J	**6.5**	**6.3**	ND	ND	ND	ND
Isopropylbenzene (Cumene)	5	**6.3**	0.71 J	ND	2.3 J	2 J	ND	ND	ND	ND
m,p-Xylene	5	**160**	ND	ND	**9.4**	**9**	ND	ND	ND	ND
Naphthalene	10	**25**	ND	ND	10	9.2	ND	ND	ND	ND
N-Propylbenzene	5	**14**	1.2 J	0.95 J	**5.7**	**5.1**	ND	ND	ND	ND
O-Xylene (1,2-Dimethylbenzene)	5	**18**	ND	ND	ND	ND	ND	ND	ND	ND
Tert-Butyl Methyl Ether	10	**33**	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	**9.9**	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	5	**180**	ND	ND	**9.4**	**9**	ND	ND	ND	ND



Sample Designation:	AWQSGV	MW_BP-11	MW-11R	MW-11R	MW-11R	MW-11R	MW-11R	MW-11R	MW-11R
Sample Date:		9/17/2015	1/22/2021	3/28/2022	11/11/2022	11/27/2023	11/26/2024	11/24/2025	
Volatile Organic Compounds (ug/L)		Result	Result	Result	Result	Result	Result	Result	
1,2,4,5-Tetramethylbenzene	5	ND	**100**	**150 J**	**140**	**92**	**99**	**120**	
1,2,4-Trimethylbenzene	5	ND	**660**	**390**	**700**	**130**	**220**	**96**	
1,3,5-Trimethylbenzene (Mesitylene)	5	ND	**140**	**220**	**180**	**42**	**52**	**27**	
Benzene	1	**1800**	**640**	**590**	**2100**	**480**	**500**	**480**	
Cymene	5	100	**6.9 J**	**9.8 J**	**16 J**	4.7 J	4.7 J	3.8 J	
Ethylbenzene	5	**32 J**	**670**	**280**	**720**	**180**	**150**	**55**	
Isopropylbenzene (Cumene)	5	**56 J**	**110**	**70**	**110**	**52**	**64**	**42**	
m,p-Xylene	5	**67 J**	**660**	**350**	**860**	**220**	**240**	**88**	
Naphthalene	10	ND	**210 J**	**280**	**410**	**130**	**180**	**100**	
N-Butylbenzene	5	ND	**33**	**17**	**30 J**	**7.7 J**	**11 J**	**11 J**	
N-Propylbenzene	5	**130**	**260**	**150 J**	**290**	**88**	**130**	**87**	
O-Xylene (1,2-Dimethylbenzene)	5	ND	**13**	**14**	**36 J**	**11**	**11 J**	**5.2 J**	
Sec-Butylbenzene	5	ND	**15**	**13**	**22 J**	**5.4 J**	**8.1 J**	**7.6 J**	
Tert-Butyl Methyl Ether	10	**120**	**51**	**34 J**	**190**	**19**	**36**	**18**	
Toluene	5	ND	**15**	**20**	**94**	**15**	**21**	**11 J**	
Xylenes	5	**67 J**	**670**	**360**	**900 J**	**230**	**250 J**	**93 J**	

LEGEND

- PROPERTY LINE
- MONITORING WELL LOCATION
- SSDS MONITORING POINT
- INDOOR AIR SAMPLE LOCATION
- OUTDOOR AIR SAMPLE LOCATION
- SSDS EFFLUENT SAMPLE LOCATION

0' 20' 40'

NOTES:

1. BASE MAP FROM "SITE PLAN" PREPARED BY ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C. DATED MAY 9, 2023.

GROUNDWATER SAMPLE EXCEEDANCES

5801 Amboy Road
Staten Island, New York

PLATE NO: 03

PROJECT NO.	17518-01
DESIGNED BY:	AB
DRAWN BY:	AB/AD
CHECKED BY:	LM
DATE:	5/4/2026
SCALE:	1" = 20'

REVISIONS

IMPACT ENVIRONMENTAL CLOSURES, INC.

170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800
FAX (631) 269-1599

Client Id	OUTDOOR	OA-1	OA-1	AA-1
Collection Date	3/5/2021	3/1/2024	2/26/2025	12/16/2025
Volatiles (TO15) By TO15 (ug/m3)				
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND
Benzene	0.728	ND	ND	1.57
Carbon Tetrachloride	0.434	0.43	0.51	0.40
Cis-1,2-Dichloroethene	0.127	ND	ND	ND
Cyclohexane	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND
Heptane	ND	ND	ND	ND
Hexane	ND	ND	ND	ND
Isooctane	ND	ND	ND	ND
m,p-Xylene	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND
Naphthalene	-	ND	ND	ND
o-Xylene	ND	ND	ND	ND
Tetrachloroethene	0.136	0.43	ND	ND
Toluene	ND	ND	ND	1.19
Trichloroethene	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	ND	ND	ND	ND

Sample ID	SS-1
Collection Date	12/16/2025
VOCs (ug/m3)	
1,1,1-Trichloroethane	ND
1,1-Dichloroethene	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
Benzene	ND
Carbon Tetrachloride	ND
Cis-1,2-Dichloroethene	ND
Cyclohexane	ND
Ethylbenzene	ND
Heptane	ND
Hexane	ND
Isooctane	ND
m,p-Xylene	10.4
Methylene Chloride	ND
Naphthalene	ND
o-Xylene	ND
Tetrachloroethene	53.5
Toluene	ND
Trichloroethene	ND
Vinyl Chloride	ND

Sample ID	SS-3
Collection Date	12/16/2025
VOCs (ug/m3)	
1,1,1-Trichloroethane	ND
1,1-Dichloroethene	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
Benzene	ND
Carbon Tetrachloride	ND
Cis-1,2-Dichloroethene	ND
Cyclohexane	ND
Ethylbenzene	ND
Heptane	ND
Hexane	ND
Isooctane	ND
m,p-Xylene	8.59
Methylene Chloride	ND
Naphthalene	ND
o-Xylene	ND
Tetrachloroethene	1.9
Toluene	ND
Trichloroethene	ND
Vinyl Chloride	ND

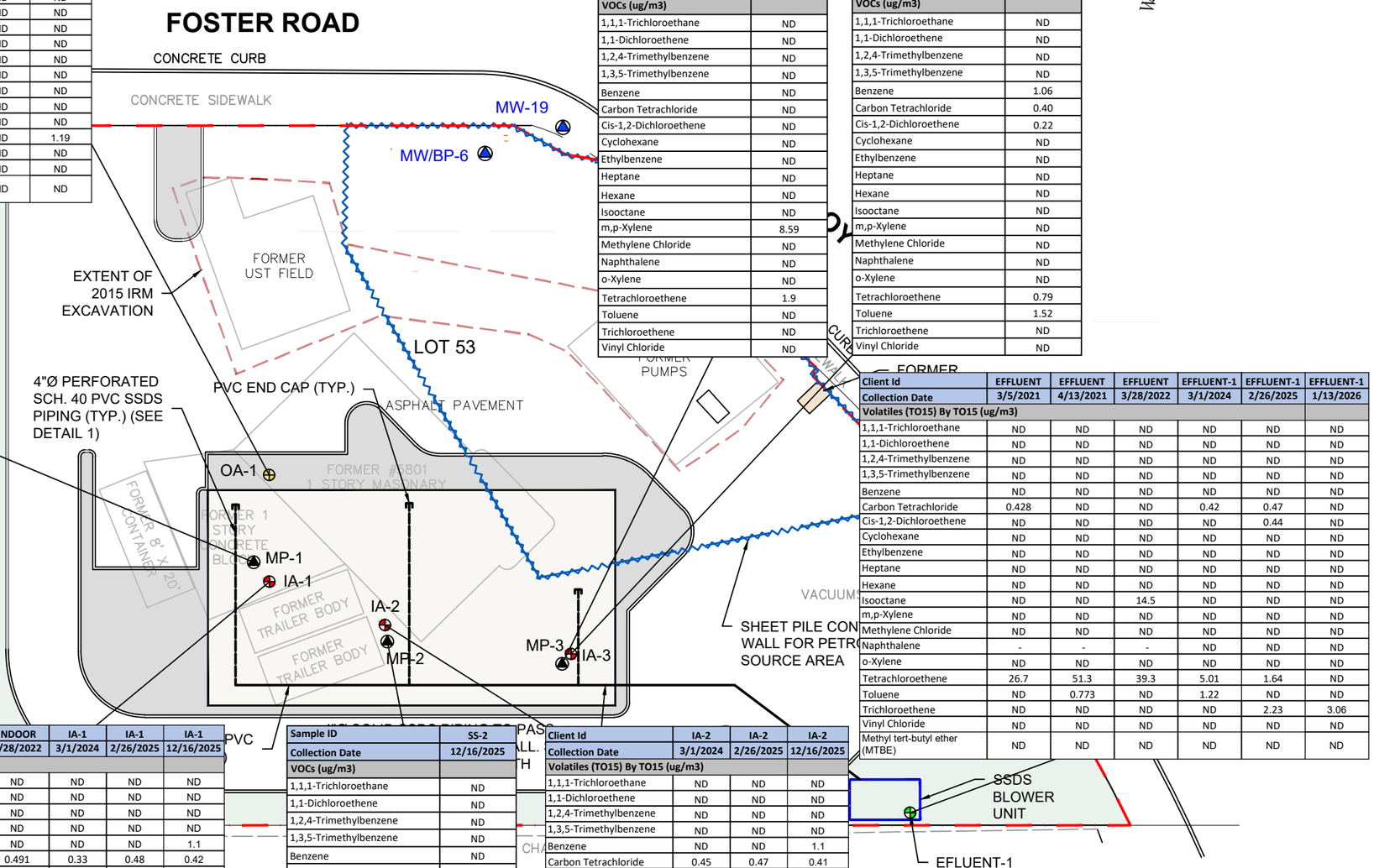
Sample ID	IA-3
Collection Date	12/16/2025
VOCs (ug/m3)	
1,1,1-Trichloroethane	ND
1,1-Dichloroethene	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
Benzene	1.06
Carbon Tetrachloride	0.40
Cis-1,2-Dichloroethene	0.22
Cyclohexane	ND
Ethylbenzene	ND
Heptane	ND
Hexane	ND
Isooctane	ND
m,p-Xylene	ND
Methylene Chloride	ND
Naphthalene	ND
o-Xylene	ND
Tetrachloroethene	0.79
Toluene	1.52
Trichloroethene	ND
Vinyl Chloride	ND

Client Id	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT-1	EFFLUENT-1	EFFLUENT-1
Collection Date	3/5/2021	4/13/2021	3/28/2022	3/1/2024	2/26/2025	1/13/2026
Volatiles (TO15) By TO15 (ug/m3)						
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.428	ND	ND	0.42	0.47	ND
Cis-1,2-Dichloroethene	ND	ND	ND	ND	0.44	ND
Cyclohexane	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND
Heptane	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	ND	ND
Isooctane	ND	ND	14.5	ND	ND	ND
m,p-Xylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
Naphthalene	-	-	-	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND	ND
Tetrachloroethene	26.7	51.3	39.3	5.01	1.64	ND
Toluene	ND	0.773	ND	1.22	ND	ND
Trichloroethene	ND	ND	ND	ND	2.23	3.06
Vinyl Chloride	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	ND	ND	ND	ND	ND	ND

Client Id	INDOOR	INDOOR	INDOOR	IA-1	IA-1	IA-1
Collection Date	3/5/2021	4/13/2021	3/28/2022	3/1/2024	2/26/2025	12/16/2025
Volatiles (TO15) By TO15 (ug/m3)						
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.39	1.76	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	1.1
Carbon Tetrachloride	0.428	0.384	0.491	0.33	0.48	0.42
Cis-1,2-Dichloroethene	ND	ND	0.095	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND
Heptane	ND	ND	ND	ND	ND	ND
Hexane	ND	ND	ND	ND	1.16	ND
Isooctane	ND	ND	ND	ND	ND	ND
m,p-Xylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
Naphthalene	-	-	-	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND	ND
Tetrachloroethene	28.1	11.7	4.02	ND	0.89	0.88
Toluene	3.24	3.21	ND	ND	ND	1.57
Trichloroethene	0.188	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	ND	ND	ND	ND	ND	ND

Sample ID	SS-2
Collection Date	12/16/2025
VOCs (ug/m3)	
1,1,1-Trichloroethane	ND
1,1-Dichloroethene	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
Benzene	ND
Carbon Tetrachloride	ND
Cis-1,2-Dichloroethene	ND
Cyclohexane	ND
Ethylbenzene	ND
Heptane	ND
Hexane	ND
Isooctane	ND
m,p-Xylene	8.07
Methylene Chloride	ND
Naphthalene	ND
o-Xylene	ND
Tetrachloroethene	1.86
Toluene	ND
Trichloroethene	ND
Vinyl Chloride	ND

Client Id	IA-2	IA-2	IA-2
Collection Date	3/1/2024	2/26/2025	12/16/2025
Volatiles (TO15) By TO15 (ug/m3)			
1,1,1-Trichloroethane	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND
Benzene	ND	ND	1.1
Carbon Tetrachloride	0.45	0.47	0.41
Cis-1,2-Dichloroethene	ND	ND	ND
Cyclohexane	ND	ND	ND
Ethylbenzene	ND	ND	ND
Heptane	2.18	ND	ND
Hexane	ND	1.2	ND
Isooctane	ND	ND	ND
m,p-Xylene	ND	ND	ND
Methylene Chloride	ND	ND	ND
Naphthalene	ND	ND	ND
o-Xylene	ND	ND	ND
Tetrachloroethene	1.98	0.68	0.81
Toluene	2.53	ND	1.57
Trichloroethene	ND	ND	ND
Vinyl Chloride	ND	ND	ND
Methyl tert-butyl ether (MTBE)	ND	ND	ND



LEGEND

- PROPERTY LINE
- MONITORING WELL LOCATION
- SSDS MONITORING POINT
- INDOOR AIR SAMPLE LOCATION
- OUTDOOR AIR SAMPLE LOCATION
- SSDS EFFLUENT SAMPLE LOCATION

0' 20' 40'

NOTES:

1. BASE MAP FROM "SITE PLAN" PREPARED BY ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C. DATED MAY 9, 2023.

AIR SAMPLE RESULTS

5801 Amboy Road
Staten Island, New York

PLATE NO: 04

PROJECT NO.	17518-01
DESIGNED BY:	AB
DRAWN BY:	AB/AD
CHECKED BY:	LM
DATE:	5/5/2026
SCALE:	1" = 20'

REVISIONS

IMPACT ENVIRONMENTAL CLOSURES, INC.

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